## A. **PAYSTATION SERVICE**

1. <u>General</u>

Paystation Service provides telephone service to a customer-leased or owned paystation with or without coin collecting devices. A Paystation Access Line permits providers of such service to provide pay telephone service to the public.

2. <u>Definitions</u>

<u>Coin Supervision</u> - Provides signaling capability from the central office for paystations that do not have signaling capability within the telephone. This signaling capability provides operators and/or operator systems coin control.

<u>Customer</u> - For the purposes of this tariff, the customer is the Paystation Service Provider.

<u>Network Interface Device</u> - A company-provided jack or its equivalent. It is the point of connection between the Company owned wiring and wiring owned by the customer. For the purposes of this tariff, the network interface device will be installed at a location mutually agreed upon by the customer and the Company.

<u>Originating Line Screening (OLS)</u> - Enables operator service providers to determine whether there are billing restrictions on the exchange access line from which a call originates. OLS service delivers codes on operator assisted calls to identify calls originating from privately owned paystations, inmate locations, and hotels/motels, etc. Rates for this service are found in the appropriate interstate access tariff, when facilities and service are available.

<u>Paystation Access Line</u> - A basic coin transmission dial tone line. It is a line side connection from the local exchange switch to the point of demarcation at the customer premises.

<u>Selective Class of Call Screening</u> - Enables the customer to restrict outgoing operator-handled calls, placed over the Company's network, from the service point to only those calls which are charged to a called telephone, a third number or a calling card. Selective Class of Call Screening will be provided at the customer's option, where such facilities are available.

## A. **<u>PAYSTATION SERVICE</u>** (Continued)

#### 3. Rules and Regulations

- a. Paystation Service will be considered a business service for the purpose of applying the terms, rates and conditions found elsewhere in this tariff.
- b. Only one paystation instrument may be connected to each Paystation Access Line. Off-Premise Extensions are not permitted.
- c. The customer shall be responsible for the installation, operation and maintenance of any paystation instrument used in connection with this service.
- d. Requests to Directory Assistance Service originated from paystations will be charged the applicable rate of the Directory Assistance Service Provider.
- e. Directory listings may be provided under the regulations that govern the furnishing of listings for business customers.
- f. Coin-free operator and emergency 911 access must be available from all paystations.
- g. One directory will be distributed to the customer without charge for each paystation business exchange line.
- h. The customer is responsible for the provision of booths, shelves, directories and all other ancillary equipment.
- i. The customer shall be responsible for the payment of charges for all local and toll messages originating from or accepted at this type of service, including any Directory Assistance Calls. The Company shall not be liable for shortages of coins collected and deposited at the customer's paystation instrument.
- j. The Company reserves the right to disconnect service when the customer does not comply with the F.C.C. and state rules and regulations related to paystation service and equipment.
- k. The Multiline Business Subscriber Line Charge, found in the interstate access tariff, is applicable to all paystation access lines.

## A. **<u>PAYSTATION SERVICE</u>** (Continued)

4. Rates and Charges

|    |                                       | Monthly Rate |
|----|---------------------------------------|--------------|
| a. | Paystation Access Line <sup>(1)</sup> | \$28.70      |
| b. | Coin Supervision                      | \$2.21       |
| c. | Selective Class of Call Screening     | \$2.00       |

<sup>(1)</sup> Installation, move and change charges will be those applicable to business service.

## B. **CENTREX SERVICE**<sup>1</sup>

#### 1. <u>General Description</u>

- a. Centrex is a Central Office-based business communications service which provides capabilities similar to those offered on a Private Branch Exchange, but without requiring switching equipment on the customer's premises. Centrex integrates all of a business customer's lines into a single telecommunications system.
- b. All Centrex station lines will be equipped with standard features. Additional optional features may also be selected and generally result in additional charges.
- c. Simulated Facility Groups provide access from the Centrex customer group of Centrex lines to the exchange and interexchange network facilities. The number of simultaneous incoming and/or outgoing calls from a Centrex customer is limited to the number of Simulated Facility Groups assigned to the customer.

#### 2. <u>Regulations and Conditions</u>

- a. A Centrex customer must have a minimum of two Centrex lines.
- b. The minimum charge period for services provided under this tariff shall be for one month except when the provision of the service requires the construction of additional facilities and/or equipment. The customer will be required to pay all or a portion of the construction and installation charges and/or contract for service beyond the minimum service period in an arrangement agreeable to both the Telephone Company and the customer.
- c. Centrex is offered subject to the availability of outside plant and/or Central Office facilities. Individual feature availability may differ by exchange.
- d. One directory listing is provided without charge for each Centrex customer.
- e. The customer may choose to pay for the service on a month-to-month basis or under a service contract plan. A month-to-month customer may, at any time, convert to a service contract plan by paying the applicable service period plan rate currently in effect.
- <sup>1</sup> This service is grandfathered to existing customers effective August 18, 2005.

## B. <u>**CENTREX SERVICE**</u><sup>1</sup> (Continued)

- 2. <u>Regulations and Conditions</u> (Continued)
  - f. The monthly rate for customers choosing the service period plan is guaranteed against telephone company initiated changes during the selected service contract period.
  - g. Subsequent line additions/deletions to the original service contract period are stipulated as follows:
    - (1) Subsequent additions will be rated under a new contract or added to an existing contract, based upon the remaining period of the initial contract. If the line addition causes the customer's total Centrex line count to exceed the threshold of the line count previously contracted, all lines will be billed at the rate for the larger line count.
    - (2) Subsequent line deletions, resulting in reductions equal to or exceeding 20% of the initial quantity of lines under contract, will be considered a termination liability and treated as specified in paragraph C.8 below. If the reduction causes the total number of lines to fall into a different line size group, all remaining lines will be billed at rates for the smaller line size group.
  - h. Termination Liabilities shall be treated as follows:
    - (1) If the service is canceled by the customer after installation of the service, but prior to the completion of the service period, the customer shall be obligated to pay a termination liability charge. The charge is calculated by multiplying the monthly rate by the remaining months in the contract period times fifty percent.<sup>2</sup>
    - (2) If a customer terminates service prior to the expiration of the term, the customer shall pay an early termination fee equal to the difference between the amount billed had the customer been billed at the rate applicable under the contract and the amount which would've been billed under a shorter term contract. That difference in monthly contracted amounts would apply to each month that the customer received the service prior to the termination.

Example: Customer signs a 36 Mo. Contract and terminates after 28 Months

24 Mo. Rate (\$9.50) – 36 Mo. Rate (\$9.20) = \$0.30 x 28 months = \$8.40 ETF

<sup>&</sup>lt;sup>1</sup> This service is grandfathered to existing customers effective August 18, 2005.

<sup>&</sup>lt;sup>2</sup> This contract termination charge application will be grandfathered effective July 15, 2010. Any contracts signed after this date, will include the termination charge application as specified in (H)(2).

- B. **<u>CENTREX SERVICE</u><sup>1</sup>** (Continued)
  - 2. <u>Regulations and Conditions</u> (Continued)
    - h. Termination Liabilities shall be treated as follows: (Continued)
      - (3) A customer who reduces the quantity of Centrex lines under contract has the following options for the duration of the contract period:
        - (a) Continue to pay an amount equal to the monthly rate for the number of Centrex station lines that are disconnected under contract, or
        - (b) Pay termination charges as described in (1) or (2) above on the number of Centrex station lines disconnected.
    - i. Reduction/waiver of service establishment charges may be offered as follows. At the Telephone Company's discretion, Centrex non-recurring service establishment charges may be reduced or waived during promotional campaigns and/or as a part of customer negotiations.
    - j. All exchange lines in a Centrex Group must have the same billing arrangement, either flat-rate or measured service (where offered).
    - k. Intercom calls between lines in a Centrex Group are not subject to local measured service.
    - I. When used with Call Forwarding or Call Transfer, the Centrex customer is responsible for the payment of the applicable toll charge for each billable call connected over the public network between the Centrex station and the station at which the call is answered. The charge is applicable to each call answered, including the Call Forwarding set-up call. It also applies to collect and person-to-person calls, which may be refused at the answering station.
- <sup>1</sup> This service is grandfathered to existing customers effective August 18, 2005.

- B. <u>**CENTREX SERVICE**</u><sup>1</sup> (Continued)
  - 2. <u>Regulations and Conditions</u> (Continued)
    - m. The Centrex lines for a Centrex customer may terminate at multiple locations; however, all Centrex lines in the same group must be serviced by the same Central Office.
    - n. This tariffed Centrex service does not include terminal equipment on the customer's premises. Terminal equipment may be covered under a separate tariff, contract, or may be provided by the customer.
    - o. Unless specifically exempted, Centrex service shall be subject to all general regulations applicable to the provision of service by the telephone company as stated in the general tariff.
    - p. It is the Company's discretion to offer temporary suspension of Centrex service.
  - 3. Payment Arrangements and Credit Allowances
    - a. The payment arrangements and credit allowances as set forth in Section 2.5 of the Company's regulated tariff apply.

<sup>1</sup> This service is grandfathered to existing customers effective August18, 2005.

## B. **<u>CENTREX SERVICE</u><sup>1</sup>** (Continued)

## 4. Rates and Charges

a. Centrex-Per Line

| CENTREX LINE RATE SCHEDULE FOR<br>EXCHANGE |       |      |      |      |      |      |  |  |
|--|-------|------|------|------|------|------|--|--|
| Lines Per<br>Location                      |       |      |      |      |      |      |  |  |
| 2 - 6                                      | 10.50 | 9.80 | 9.50 | 9.20 | 8.90 | 8.60 |  |  |
| 7 - 15                                     | 10.30 | 9.60 | 9.30 | 9.00 | 8.70 | 8.40 |  |  |
| 16 - 30                                    | 10.10 | 9.40 | 9.10 | 8.80 | 8.50 | 8.20 |  |  |
| 31 - 50                                    | 9.90  | 9.20 | 8.90 | 8.60 | 8.30 | 8.00 |  |  |
| 51 - 100                                   | 9.70  | 9.00 | 8.70 | 8.40 | 8.10 | 7.80 |  |  |
| Over 100                                   | 9.50  | 8.80 | 8.50 | 8.20 | 7.90 | 7.60 |  |  |

(\*\*) All lines must terminate to same physical locations. Rates apply on a declining block basis.

| b. | Simulated Facility Group                 | Business<br>Service Rate |
|----|--|--------------------------|
| C. | Service Establishment Charge<br>Per Line | \$10.00                  |
| d. | Additions/Changes<br>Per Line            | \$ 5.00                  |

<sup>1</sup> This service is grandfathered to existing customer effective August 18, 2005.

## C. VIRTUAL TELEPHONE NETWORK (VTN)

1. <u>General</u>

Virtual Telephone Network (VTN) allows business customers to integrate multiple telephone features and functions by configuring VTN lines into a single VTN Group. The line type and quantity is determined by the customer's need. A customer may provision VTN service on VTN Standard or VTN Digital Key Lines and Channels<sup>(1)</sup>.

VTN is offered only as a complete, integrated service arrangement. The network access, features, and other components of the service are not provided separately or in conjunction with other exchange services. Any other arrangements are outside the scope of this offering.

## 2. Standard and Optional Features

- a. All VTN systems will have the option to be equipped with the following features at no charge:
  - 1. Intercom Dialing

Allows VTN users to call other stations within their VTN Group using an abbreviated dialing pattern.

- 2. <u>Distinctive Ringing</u><sup>\*</sup> Allows VTN users to listen to the ringing pattern or Call Waiting tone to determine the type of call (intergroup, intragroup, recall, or other feature notification).
- 3. Station Restriction
  - Unrestricted

Allows VTN users to place all calls.

- Toll Restricted Restricts VTN users from placing toll calls.
- Fully Restricted Allows VTN users to only place calls within the VTN Group.
- 900/976 Call Blocking Restricts VTN users from placing 900/976 calls.
- 900/976 & International Call Blocking Restricts VTN users from placing 900/976 and international calls.
- 4. Attendant Dial "0"
  - Allows VTN users to reach an internal attendant by simply pressing "0".
- <u>Direct Inward Dialing (DID)</u> Allows VTN users to directly receive incoming calls without the assistance of an attendant.
- <u>Direct Outward Dialing (DOD)</u> Allows VTN users to call outside the VTN Group directly without the assistance of an attendant.
- 7. <u>Call Forwarding of Call Waiting Calls</u> Allows the VTN user to divert all Call Waiting Calls to another directory number.
- 8. <u>Station Usage Billing</u> Provides for toll bills to be separated by each VTN station.
- <sup>(1)</sup> The VTN Key Line and Channel Service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

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## C. VIRTUAL TELEPHONE NETWORK (VTN) (Continued)

- 2. Standard and Optional Features (Continued)
  - b. Each VTN station will have the option to be equipped with the following features at no charge:
    - (1) <u>Call Forwarding Variable</u> Allows a VTN user to direct all incoming calls to another directory number.
    - (2) <u>Call Forwarding Busy</u> Allows all calls to be redirected to an alternate number when the called number is busy.
    - (3) <u>Call Forwarding Don't Answer</u> Allows all calls to be redirected to an alternate number after a predetermined number of rings.
    - (4) <u>Call Forwarding Remote Activation</u> Allows the VTN user to activate and deactivate Call Forwarding from any location.
    - (5) <u>Call Hold</u>

Allows a VTN user to place a call on hold.

(6) <u>Call Park</u>

Allows a VTN user to store a call against their directory number within the VTN Group and retrieve the call from any other number within the group.

- (7) <u>Deny Incoming Calls</u> Prevents a VTN user from receiving incoming calls from outside of the VTN Group to their VTN DID station.
- (8) Directed Call Park

Allows a VTN user to store a call against any directory number within the VTN Group and retrieve the call from any other number within the group.

- (9) <u>Call Pickup Group</u> Allows a VTN user to answer a call that is ringing at another station within the group by dialing an access code.
- (10) <u>Call Pickup Directed</u>
   Allows a VTN user to answer a call that is ringing at another station within the group by dialing an access code and the ringing station number.
- (11) <u>Call Transfer All Calls</u> Allows a VTN user to hold and transfer incoming, out-going and intragroup calls outside of their VTN Group.
- (12) <u>Call Transfer Intragroup Only</u>
- Allows a VTN user to transfer calls to another station within the VTN Group. (13) Call Waiting/Cancel Call Waiting
  - Alerts the VTN user who is on the phone that another call is waiting to be answered. Cancel Call Waiting allows the VTN user to deactivate this feature for one call by dialing a special code.

## C. VIRTUAL TELEPHONE NETWORK (VTN) (Continued)

- 2. Standard and Optional Features (Continued)
  - b. (Continued)
    - (14) Call Waiting Intragroup/Cancel Call Waiting

Alerts the VTN user who is on the phone that another call from within the VTN Group is waiting to be answered. Cancel Call Waiting allows the VTN user to deactivate this feature for one call by dialing a special code.

- (15) <u>Caller ID Intragroup Number</u> Allows for the display of the calling party's telephone number on calls made within the VTN Group. VTN users must provide their own compatible premises equipment in order to process and display the number transmission.
- (16) <u>Message Waiting Stuttered Dial Tone</u><sup>\*</sup> This is a message waiting indication in the form of an audible interrupted dial tone. This tone is provided by the central office to inform the VTN user that an unplayed message is waiting.
- (17) Message Waiting Visual/Lamp\*

This is a message waiting indicator which illuminates a lamp at the customer's premise to inform the VTN user that an unplayed message is waiting. The customer must supply compatible customer premise equipment (CPE) capable of receiving and displaying the message waiting lamp indicator.

- (18) <u>Speed Call Short List</u> Allows the VTN user to call a short list of user programmed directory numbers by dialing one or two digits instead of the directory number.
- (19) <u>Station Hunting</u> Allows calls directed to busy VTN stations to be directed to the next available station in the hunt group.
- (20) <u>3-Way Calling</u> Allows a VTN user to add a third party to an existing call.
- (21) <u>Last Number Redial</u> Allows a VTN user to automatically redial the last outgoing telephone number dialed.
- (22) Call Blocking (per call)

Allows a VTN user to block the delivery of their Caller ID information on a per call basis by dialing a special code prior to placing a call.

- (23) <u>Consultation Hold</u> Allows a VTN user to place a call on hold in order to initiate a second call,
  - answer a waiting call, consult privately with another party, or return to the previously held call.
- (24) <u>Make Set Busy</u> Allows a VTN user to make a particular station appear busy to incoming calls.

This service is not regulated by the Colorado PUC.

## C. VIRTUAL TELEPHONE NETWORK (VTN)

- 2. <u>Standard and Optional Features</u> (Continued)
  - c. Each VTN Digital Key<sup>(1)</sup> station will have the option to be equipped with the following (features at no charge. VTN users must provide their own compatible premises equipment to utilize these features.
    - Expansion Modules Provides the VTN user with a Digital Key telephone to have additional keys for features or call appearances by adding one or two Expansion Modules to their VTN Digital Key station.
    - (2) <u>Automatic Dial</u> Provides autodialing of a single directory number via a single key on a Digital Key telephone.
    - (3) Multiple Call Appearances of a Directory Number

Allows the VTN user to have up to five (four additional) appearances of the primary directory number or secondary directory number assigned to the Digital Key telephone, providing the capability of multiple hunting incoming or outgoing calls associated with that directory number.

- (4) <u>Shared Call Appearances of a Directory Number</u> Allows a directory number(s) from any VTN station to appear on customerprovided sets of other users.
- (5) <u>Busy Lamp Field / Direct Station Selection</u> Allows the VTN Digital Key station to monitor the busy status of another VTN station line or to directly call another VTN station by depressing the associated BLF/DSS key.
- d. The following are optional, chargeable individual line features.
  - (1) 6-Way Calling

Allows the VTN user to call up to five parties and establish a six-way call.

- (2) <u>Assume Dial "9"</u> Enables a VTN line to place outgoing calls without the requirement of a network access "9" digit.
- (3) Caller ID Number (Standard VTN Line)

Allows the VTN user to see, where technically feasible, the directory number associated with an intergroup incoming call. VTN users must provide their own compatible premises equipment in order to process and display the number transmission.

(4) Caller ID Name and Number

Allows the VTN user to see, where technically feasible, the name and directory number associated with an incoming call. VTN users must provide their own compatible premises equipment in order to process and display the number transmission.

- (5) <u>Direct Connect</u> Allows a call to be automatically placed to a designated directory number without dialing by lifting the receiver off the switchhook.
- <sup>(1)</sup> The VTN Key Line and Channel Service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

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## C. VIRTUAL TELEPHONE NETWORK (VTN)

- 2. <u>Standard and Optional Features</u> (Continued)
  - d. (Continued)
    - (6) Ground Start

A type of signaling on the VTN line in which one side of the two-wire trunk is momentarily grounded to receive dial tone.

- (7) <u>Speed Call 30</u><sup>\*</sup>
   Allows the VTN user to call a list of 30 preselected directory numbers by dialing two or three digits instead of the directory number.
   (9) Warm Line Transfer
- (8) <u>Warm Line Transfer</u> Allows a call to be placed to a designated directory number without dialing. The call will be placed once the VTN user's phone has been off-hook for a predetermined amount of time.
- (9) Secondary Directory Numbers

An arrangement that allows a Digital Key telephone to have access to an additional telephone number(s). The additional telephone number(s), or Secondary Directory Number(s), may originate or receive calls independent of the Digital Key Telephone's Primary Directory Number.

## 3. Conditions and Limitations

- a. A VTN customer must have a minimum of two VTN lines and all lines must be served by the same switch in the same local calling exchange.
- b. The minimum charge period for services provided under this tariff shall be for twelve months.
- c. VTN is offered subject to the availability of outside plant and/or Central Office facilities. Individual feature availability and availability of Digital Key lines may differ by exchange.
- d. Requests for special feature or service arrangements not listed in this tariff may be subject to additional charges.
- e. The Customer is responsible for the payment of any additional cost incurred when forwarding or transferring calls over the public switched network between the VTN station and the station at which the call is forwarded or transferred.
- f. VTN service does not include any terminal equipment which may be required on the customer's premises.

This service is not regulated by the Colorado PUC.

## C. VIRTUAL TELEPHONE NETWORK (VTN) (Continued)

- 3. Conditions and Limitations (Continued)
  - g. Unless specifically exempted, VTN service shall be subject to all general regulations applicable to the provision of service by the telephone company as stated in the general tariff.
  - h. Suspension of Service is not available with VTN Service.
  - i. Each VTN Digital Key line may be provisioned with a maximum of 2 Digital Key Channels.
  - j. Customers are entitled to one directory listing per VTN Group without charge. If the customer chooses not to list their main directory number, a Non-Published Number charge will apply. Additional Business Directory Listings are available. Please refer to Section 8 of this tariff.
  - k. VTN lines are provided in a non-blocking arrangement without trunk equivalents or simulated facility groups.
  - I. VTN Digital Key lines are provisioned for voice-only applications and may not be used for data transmission.
  - m. The local exchange calling area of any VTN line will be the same as that which has been approved by the Public Utilities Commission for basic Local Exchange Service.
  - n. Individual Case Basis (ICB) or Special Pricing may be provided by the Company for VTN customers with 100 or more lines. The Company will notify the Commission within 14 days of entering into a contract.
  - o. When subscribing to VTN Service customers will be required to commit to a minimum number of lines they will maintain in service throughout the length of the contract. This minimum line commitment will be used to determine the appropriate line rate. Actual lines in service may be higher than the commitment level.

## C. VIRTUAL TELEPHONE NETWORK (VTN) (Continued)

- 4. Rates and Charges<sup>1</sup>
  - a. Line and Channel Rates

| VIRTUAL TELEPHONE NETWORK STANDARD LINE RATES <sup>2</sup> |                 |           |           |           |           |  |  |
|--|-----------------|-----------|-----------|-----------|-----------|--|--|
|  | VTN TERM PERIOD |           |           |           |           |  |  |
|  |                 | 12 Months | 24 Months | 36 Months | 60 Months |  |  |
| ٤٢°  | 2+              | \$29.30   | \$22.50   | \$20.30   | \$16.20   |  |  |
| es   | 5+              | 25.70     | 19.80     | 17.80     | 14.20     |  |  |
| <i>A</i> inir<br>otal<br>Lin                               | 20+             | 21.80     | 16.80     | 15.00     | 12.10     |  |  |
| ≥°⊐  | 50+             | 20.10     | 15.50     | 13.90     | 11.20     |  |  |
|  | 80+             | 18.20     | 14.00     | 12.60     | 10.10     |  |  |

| VIRTUAL TELEPHONE NETWORK DIGITAL KEY LINE RATES <sup>2,4</sup> (C) |     |           |           |           |           |  |
|---|-----|-----------|-----------|-----------|-----------|--|
| VTN TERM PERIOD   |     |           |           |           |           |  |
|   |     | 12 Months | 24 Months | 36 Months | 60 Months |  |
| εZ  | 2+  | \$29.30   | \$22.50   | \$20.30   | \$16.20   |  |
| ur<br>VT<br>es³   | 5+  | 25.70     | 19.80     | 17.80     | 14.20     |  |
| Minir<br>Fotal<br>Lin   | 20+ | 21.80     | 16.80     | 15.00     | 12.10     |  |
| ∑ ∩ −   | 50+ | 20.10     | 15.50     | 13.90     | 11.20     |  |
|   | 80+ | 18.20     | 14.00     | 12.60     | 10.10     |  |

| VIRTUAL TELEPHONE NETWORK DIGITAL KEY CHANNEL RATES <sup>4</sup> (C) |     |           |           |           |           |  |
|--|-----|-----------|-----------|-----------|-----------|--|
| VTN TERM PERIOD  |     |           |           |           |           |  |
|  |     | 12 Months | 24 Months | 36 Months | 60 Months |  |
| E Z  | 2+  | \$10.30   | \$7.90    | \$7.10    | \$5.70    |  |
| es < T   | 5+  | 9.00      | 6.90      | 6.30      | 5.00      |  |
| Minir<br>Total<br>Lin  | 20+ | 7.60      | 5.90      | 5.30      | 4.30      |  |
| ≥⊢°−   | 50+ | 7.10      | 5.50      | 4.90      | 3.90      |  |
|  | 80+ | 6.40      | 4.90      | 4.40      | 3.60      |  |

## b. System Charge

A \$5.00 recurring charge applies for each VTN Group established for a customer within the local company's serving territory. This charge does not apply per location when multiple locations are served by the same VTN Group.

<sup>1</sup> All rates in this section are exclusively offered in conjunction with VTN service.

<sup>2</sup> The total number of VTN Standard and Digital Key lines at all locations served by the VTN Group will be used to determine the discount level. Secondary Directory Numbers, Digital Key Channels, and other features related to directory numbers are not included in determining discount levels.

<sup>3</sup> Discount levels are based on the minimum number of lines a customer commits to for the term of the contract. The actual number of lines in service may be higher.

<sup>4</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

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#### C. VIRTUAL TELEPHONE NETWORK (VTN)

- 4. <u>Rates and Charges</u><sup>1</sup> (Continued)
  - c. DID Number Block

A \$0.50 recurring charge will apply for each block of 5 DID numbers utilized by the customer. A customer may only purchase numbers in consecutive blocks of 5.

d. Retained Number Charge

A \$1.50 recurring charge applies for each telephone number within a VTN Group that is a non-consecutive number and independent from a VTN DID Number Block.

e. Extra Bill

Each VTN Group is provided a single monthly bill. Additional monthly bills for specific VTN services will be available for \$2.50 per month.

f. Number Intercept/Telephone Number Referral Service

When customers disconnect a number, the Company will furnish a message that provides information regarding the disconnected number. This service will be available in increments of 90 days and will be limited to 4 such increments. At the initiation of this service the customer will be required to specify the length of time for this service. They will also be obligated to pay the entire service cost in advance.

| <ul> <li>Primary and Additional Directory Listings</li> <li>First 90 days, per number</li> <li>Each additional 90 days, per number</li> </ul>  | No Charge<br>\$20.00   |
|--|--|
| (2) All Other VTN Numbers<br>Each 90 day increment, per number   | \$20.00  |
| Optional Individual Line Features  |  |
| <ol> <li>6-Way Calling</li> <li>Assume Dial "9"</li> <li>Caller ID Number (Standard VTN Line)</li> <li>Caller ID Name and Number</li> <li>Direct Connect</li> <li>Ground Start</li> <li>Warm Line Transfer</li> <li>Secondary Directory Numbers</li> </ol> | \$8.50 per line<br>\$10.00 per line<br>\$2.50 per line<br>\$3.50 per line<br>\$1.00 per line<br>\$7.50 per line<br>\$0.50 per line |
| (Digital Channel Service Lines)  | \$2.00 per number  |

<sup>1</sup> All rates in this section are exclusively offered in conjunction with VTN service.

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## C. VIRTUAL TELEPHONE NETWORK (VTN) (Continued)

- 4. **RATES AND CHARGES**<sup>1</sup> (Continued)
  - h. Service Charges
    - (1) <u>Service Order Charge</u>; A \$30.00 non-recurring charge will apply for all service order activity done with the same due date.
    - (2) <u>Establishment Charge</u>: A non-recurring charge will apply for each VTN Group established.

| Length of Agreement | Establishment Charge |
|---------------------|----------------------|
| 12 Months           | \$200.00             |
| 24 Months           | \$175.00             |
| 36 Months           | \$150.00             |
| 60 Months           | \$100.00             |

(3) <u>Standard and Digital Key Line Connection Charge:</u> A non-recurring charge will apply for each Standard and Digital Key Line connected.

| Lines Per VTN Group | VTN Line Connection Charge |  |
|---------------------|----------------------------|--|
| (Per Service Order) | (Per Line)                 |  |
| 2-5                 | \$25.00                    |  |
| 6-25                | \$20.00                    |  |
| 26-50               | \$15.00                    |  |
| 51+                 | \$10.00                    |  |

- (4) <u>Digital Key Channel Establishment Charge:</u> A \$15.00 non-recurring charge will apply for each Digital Key Channel established.
- (5) <u>VTN Secondary Directory Number Establishment Charge:</u> A \$10.00 nonrecurring charge will apply for each Secondary Directory Number requested.
- (6) <u>VTN Feature Addition or Change:</u> A \$5.00 non-recurring charge will apply for subsequent feature(s) additions or changes.
- (7) <u>Premises Visit Charge Normal Business Hours:</u> A \$20.00 non-recurring charge will apply for each visit to a customer's premises required for a VTN installation during normal business hours.
- (8) <u>Premises Visit Charge After Hours:</u> A \$30.00 non-recurring charge will apply for each visit to a customer's premises required for a VTN installation during non-business hours.

<sup>1</sup> All rates in this section are exclusively offered in conjunction with VTN service.

## C. VIRTUAL TELEPHONE NETWORK (VTN) (Continued)

#### 5. Termination Liability

If the Customer cancels VTN Service prior to the completion of the term of the Agreement, the Customer shall be obligated to pay one of the following termination liability charges. Customers who fall below their minimum line commitment will have an option of continuing to pay for the minimum number of lines committed to in the contract until the end of the contract term or terminate the contract. If the Customer terminates the contract, the applicable termination liability charge will apply.

## a. 12-Month Term

If the Customer cancels service prior to 12 months of service they will be assessed a liability charge equal to 75 percent of the remaining revenues from the minimum number of lines for the 12-month term.

# (Minimum Number of Lines) X (12 Month Line Rate) X (Months to reach 12) X 75%

b. Multi-Term (Canceled Prior to 12 Months)

If the Customer cancels service prior to 12 months they will be assessed the 12-Month Term liability charge. In addition to the Customer will also be charged the difference between the price they paid and the price they would have paid if on a 12-month term.

# (Minimum Number of Lines) X (12 Month Line Rate) X (Months to reach 12) X 75%

# (Number of Lines) X (Difference between billed rate and the 12-month line rate) X (Months in Service)

c. Multi-Term (After 12 Months)

If the Customer cancels service after 12 months, but prior to the expiration of the contract the Customer will be retroactively billed as if the Customer had initially ordered the service at the most recently expired term offered for VTN service.

# (Minimum Number of Lines) X (Difference between billed rate and most recently expired line rate) X (Months in Service)

## D. INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)<sup>(1)</sup>

(C)

- 1. <u>General Description</u>
  - a. Integrated Services Digital Network (ISDN) describes the end-to-end digital telecommunications network architecture which provides for the simultaneous access, transmission, and switching of voice, data and video services. These functions are provided via channelized transport facilities. The ISDN architecture consists of digital switching systems which connect Basic Rate Interface (BRI) lines to their serving central office. Caller ID Number is included with this service.
  - b. BRI is an optional service arrangement which can be used in conjunction with a customer's Individual Line Business or Residence service. It uses the ISDN architecture to provide the customer with the capabilities of simultaneous access, transmission, and switching of voice, data and video services via channelized transport. In addition, BRI provides the customer with access to Circuit Switched Voice Service, Circuit Switched Data Service, and Packet Switched Data Service.
  - c. A BRI arrangement obtains its capabilities from a properlyl equipped telephone company central office switch. The BRI arrangement may consist of up to two "B" channels and one "D" channel (2B+D).

"B" Channel: The "B" Channel is a bi-directional synchronous channel capable of supporting 64 kilobit per second (kbps) of digital transmission of information between users. The "B" Channel can be configured to offer voice service, data service or voice/data service. One Primary Directory Number with one Primary Directory Listing for the first "B" Channel ISDN Service line is provided. Additional listings may be provided as specified for Additional Listing Service in the Directory Listings section of this Company's tariff.

"D" Channel: The "D" Channel is a 16 kbps digital signaling channel that carries signaling and control for the "B" channel and has maximum packet transmission throughput of 9.6 kbps.

- d. All ISDN Service lines consist of central office facilities, including the outside plant facilities, extended from the Company's switching equipment to the customer's demarcation point.
- <sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

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## D. INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)<sup>(1)</sup> (Continued)

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- 1. <u>General Description</u> (Continued)
  - e. ISDN Service is provided at the option of the Company, and is furnished subject to central office switching capacity and the availability of outside plant facilities. The availability, functionality and capabilities of the ISDN Service features may vary or may not be available dependent upon type of serving central office switch, related software controlling that switch and associated outside plant.
  - f. The Company shall not be responsible if changes in any of the equipment, operations, or procedures of the Company utilized in the provision of ISDN Service render any facilities provided by the customer obsolete or require modification or alteration of such customer's equipment or systems, or otherwise affects its use or performance.
- 2. <u>Undertaking of the Telephone Company</u>
  - a. <u>Circuit Switching</u> Circuit Switching is 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. Circuit Switched Service provides the ability to originate and receive circuit switched voice, data and voice/data calls over a 64 kbps "B" channel. Usage charges for Circuit Switched Voice and Data calls are applicable on each "B" channel and are outlined in the ISDN-BRI Rate Schedule. The customer may choose among the following Circuit Switched features based upon application needs.
    - <u>Electronic Key Telephone Service (EKTS) Features</u> Electronic Key Features provide the customer with the ability to access the following features where available:
      - (a) <u>Multiple Call Appearances of a Directory Number</u> An arrangement that allows the user to have appearances of the directory number assigned to the customer-provided set, providing the capability of multiple incoming or outgoing calls associated with that directory number. Multiple incoming calls to this directory number or secondary telephone number (if purchased) can be terminated to the telephone if one or more idle calls appearances are available to accept the calls. In certain central offices, this arrangement may impact the use of the Shared Call Appearance feature.
- <sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

## D. **INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)**<sup>(1)</sup> (Continued)

(C)

- 2. <u>Undertaking of the Telephone Company</u> (Continued)
  - a. (Continued)
    - (1) (Continued)
      - (b) <u>Shared Call Appearances of a Directory Number</u> An arrangement that allows a directory number (s) from one customer-provided set to appear as a call appearance (s) on the customer-provided sets of other users. Bridging, an arrangement that allows the user to connect onto a currently active call, is included.
      - (c) <u>Analog Line Pickups</u> An arrangement that allows an ISDN set to provide coverage for an analog number(s). This arrangement is limited to analog numbers that are terminated at the same central office switch. This feature may limit the user of other features and/or functionality on the analog line. Bridging, an arrangement that allows the analog user to connect onto a currently active call, is included.
      - (d) <u>Privacy Release (Automatic Exclusion)</u> An arrangement that allows a customer to specify that no other user can bridge onto an existing call(s). On a call by call basis, this feature can be disabled to allow bridging to occur.
      - (e) <u>Manual Exclusion (Privacy)</u> An arrangement (opposite of Privacy Release) that allows the customer to restrict others stations from picking up an existing call on hold or bridging onto an existing call that is active at that station.
      - (f) <u>Intercom Calling</u> An arrangement that allows for ISDN station-tostation calls.
      - (g) <u>Bridging</u> An arrangement that allows the user to join an active call by pressing the active call appearance button. Bridging is inhibited if Manual Exclusion is activated on the terminal engaged in the active call.
    - (2) <u>Secondary Telephone Numbers</u> An arrangement that allows a customerprovided set to have access to an additional telephone number(s). The additional telephone number(s), or Secondary Telephone Number(s), may originate or receive calls independent of the customer-provided sets Primary Directory Telephone Number.
- <sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

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## D. INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)<sup>(1)</sup> (Continued)

(C)

- 2. <u>Undertaking of the Telephone Company</u> (Continued)
  - a. (Continued)
    - (3) <u>Clear Channel Capability</u> 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.
    - (4) <u>Custom Calling Services</u> Available at rates and charges specified elsewhere in the Custom Calling Services section of this tariff. Custom Calling Service features found specifically in this ISDN tariff will be charged for at rates found in the ISDN Rate Schedule.

## Call Hold, Drop, Transfer:

<u>Call Hold</u> – Allows the user to place a call on hold by pressing a programmed button on a customer-provided set.

<u>Call Drop</u> – This central office based feature allows the user to disconnect the last party added to a conference call.

<u>Call Transfer</u> – This feature allows the user to transfer a call to another directory number. This feature is for use with Circuit Switched voice only.

(5) <u>Advanced Calling Services</u> – Available at rates and charges specified elsewhere in the Advanced Calling Services section of this tariff. Advanced Calling Service features found specifically in this ISDN tariff will be charged for at rates found in the ISDN Rate Schedule.

> <u>Caller Identification – Name</u> – An Advanced Calling Service feature that provides the caller's name to be displayed on properly equipped customer-provided equipment (where available).

<u>Caller Identification – Number</u> – An Advanced Calling Service feature that provides the caller's telephone number to be displayed on property equipped customer-provided equipment (where available).

<sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

## D. INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)<sup>(1)</sup> (Continued)

- 2. <u>Undertaking of the Telephone Company</u> (Continued)
  - b. <u>Alternate Circuit Switched Voice Service/Circuit Switched Data Service</u>

Alternate Circuit Switched Voice/Circuit Switched Data Service provides the ability to originate and receive either Circuit Switched Voice calls or Circuit Switched Data calls over a single "B" channel but not simultaneously. This arrangement is available where technology permits.

The features applicable to Circuit Switching Service are also applicable to this service.

c. Intraswitch Packet Switched Data "D" Channel Service

Packet Switching is a technique in which packets of data are individually addressed and combined on a transmission path with other addressed packets. Packet Switched Data "D" Channel Service provides the ability to originate and receive X.25 packet data calls on an intraswitch basis. This arrangement provides a maximum throughput of 9.6 kbps. Each D chanel packet terminal will provide logical channel up to the technical capabilities of the serving central office. Multiple packet calls can be active simultaneously by a user on a single "D" channel. Up to eight data terminals can be supported per Basic Rate Interface. Service includes oen data telephone number.

- (1) <u>Flow Control Parameter Negotiation</u> An arrangement that permits negotiation on a per call basis of the flow control parameters. This feature automatically negotiates the maximum packet size and window size for each direction of data transmission. This can be presubscribed (fixed) or it can be established on a per call basis.
- (2) <u>Throughput Class Negotiation</u> An arrangement that allows the calling data terminal to request specific throughput classes (bits/second) in the call request packet for both directions of data transmission.
- (3) <u>Logical Channels</u> An arrangement that is a virtual circuit, offering multiple logical connections at the packet level of X.25. ISDN packet data service offers the ability to send and/or receive packet data calls on separate logical channels within one ISDN "D" channel. The logical channels can be assigned as permanent virtual circuits, incoming only, outgoing only, or two-way (incoming and outgoing).
- <sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

## D. **INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)**<sup>(1)</sup> (Continued)

(C) (C)

- 2. <u>Undertaking of the Telephone Company</u> (Continued)
  - c. Intraswitch Packet Switched Data "D" Channel Service (Continued)
    - (4) <u>Incoming Calls Barred</u> An arrangement that prohibits a data terminal from terminating in incoming call.
    - (5) <u>Outgoing Calls Barred</u> An arrangement that prohibits a data terminal from originating outgoing calls.
    - (6) <u>Closed User Groups</u> An arrangement that allows ISDN users to establish subnetworks of ISDN packet switching data users from which members can communicate with each other. The Closed User Group is established on a per line basis. The first member of a Closed User Group is included. Additional members are charged at the rate established in the rate schedule. Each data terminal in a Closed User Group can be arranged in one of the following modes:
      - (a) <u>Closed User Group with Outgoing Access</u> The data terminal makes outgoing calls only.
      - (b) <u>Closed User Groups with Incoming Access</u> The data terminal receives incoming calls only.
      - (c) <u>Incoming Calls Barred Within a Closed User Group</u> The data terminal makes outgoing calls only to the data terminal in the Closed User Group with which it is associated.
      - (d) <u>Outgoing Calls Barred Within a Closed User Group</u> The data terminal receives incoming calls only to the data terminals in the Closed User Group with which it is associated.
      - (e) <u>Unrestricted Access</u> The data terminal receives and makes both incoming and outgoing calls.
    - (7) <u>Fast Select</u> An arrangement that allows a sending data terminal to forward up to 128 bytes of data along with the call setup and clearing packets.
    - (8) <u>Fast Select Acceptance</u> An arrangement that allows the switch to transmit incoming call packets with the Fast Select facility to a destination terminal that has this feature.
- <sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

## D. INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)<sup>(1)</sup> (Continued)

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- 2. <u>Undertaking of the Telephone Company</u> (Continued)
  - d. Transmission Specifications

The Standard Transmission parameters for an ISDN Service line utilizing an ISDN Basic Rate Interface (BRI) consists of: A maximum of 38.5db loop loss at a 40Kz test tone terminate into a 135 ohm impedance. The 38.5db loss includes all central office facilities, outside plant facilities and inside wiring.

- e. Basic Rate Interface (BRI) Foreign Exchange Service
  - (1) ISDN-BRI Foreign Exchange Service is ISDN-BRI exchange service furnished to a subscriber from a central office of an exchange other than the one that normally services the area in which the subscriber is located.
  - (2) ISDN-BRI Foreign Exchange Service does not come withint he Company's general undertaking, nor does the Company obligate itself to furnish such service generally; but will do so at its option where facilities are available and the service is warranted by the circumstances involved.
  - (3) The conditions, regulations and specifications which apply to ISDN-BRI within the exchange will also apply to ISDN-BRI Foreign Exchange Service. Refer to the ISDN-BRI Service section of this tariff.
- 3. Obligations of the End User
  - a. Customer Premise Equipment and Facilities -

The customer is responsible for providing compatible premises equipment in order to utilize the ISDN offering. All customer-provided equipment used to interface with ISDN Service is required to conform with the Technical Reference Specification as used by the Company and is found in the following Technical References:

| <u>Subject</u>                      | Technical<br><u>Reference</u> | Voice Contact<br><u>Available</u> |
|-------------------------------------|-------------------------------|-----------------------------------|
| Basic Rate<br>Interface             | AT&T 235-900-341              | 1-800-432-6600                    |
| Customer Premises<br>Planning Guide | AT&T 533-700-100              | 1-800-432-6600                    |

b. <u>Special Construction</u>

An average amount of entrance and distribution facilities may be furnished by the Company provides the facilities are of the standard type normally furnished for the particular location or kind of service.

<sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

## D. INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)<sup>(1)</sup> (Continued)

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- 3. Obligations of the End User (Continued)
  - b. <u>Special Construction</u> (Continued)

If additional entrance or distribution facilities are required; if the conditions are such as to require special equipment; if the installation is for temporary or semi-permanent purpose of if for any other reason the construction costs are excessive, the applicant shall be required to pay the costs over and above those applicable for a normal installation. Each special construction situation will be evaluated on an Individual case basis.

4. Limitations

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

5. Payment Arrangements and Credit Allowances

The payment arrangement and credit allowances as set forth in Section 2.4 in the Company's regulated tariff apply.

6. Rate Regulation

All rates and charges for telephone service in a foreign exchange will be the combined rates and charges for each Company providing the facilities for such service. The rate for ISDN-BRI Foreign Exchange Service is the rate in effect in the foreign exchange for the Class of Service furnished, to which is added the appropriate channel charges, channel mileage rates, channel termination rates, usage charges, optional feature rates and non-recurring charges.

<sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

## D. INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)<sup>(1)</sup> (Continued)

7. <u>Rates and Charges</u>

|    | <u>v</u>   | Rate                           | Non-Recurring<br>Charge |
|----|--|--------------------------------|-------------------------|
| a. | ISDN Line, Per Line  |                                |                         |
|    | (1) Residence  | Residential One-<br>Party Rate | *                       |
|    | (2) Business   | Business One-<br>Party Rate    | *                       |
| b. | Circuit Switched Voice (CSV)<br>Service, Per "B" Channel<br>(Business and Residence) | \$15.00 Flat Rate              | *                       |
| C. | Circuit Switched Data (CSD)<br>Service, Per "B" Channel                              | ¢10.00 Flat Hate               |                         |
| d. | (Business & Residence)<br>Alternate Circuit Switched<br>Voice/Circuit Switched Data  | \$15.00 Flat Rate              | *                       |
|    | Per "B" Channel; (Business & Residence)  | \$15.00 Flat Rate              | *                       |

- \* Service Connection Charges apply for ISDN-BRI Service based upon existing Service Connection charges. See Company's regulated tariff.
- <sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

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## SPECIAL DIAL TONE AND SERVICE ARRANGEMENTS

## D. INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)<sup>(1)</sup> (Continued)

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7. Rates and Charges (Continued)

|            |              |   | Rate                                      | Non-Recurring<br>Charges |
|------------|--------------|---|---|--------------------------|
|            |              | ched Features:<br>Residence)  |   |                          |
| (1)        |              | ronic Key Telephone<br>ce (EKTS):<br>Multiple Call Appearances<br>of a Directory Number | 1   |                          |
|            |              | (up to 3)<br>Fourth/Subsequent Call<br>Appearances of a                                 | Included w/CSV, CSD                       | None                     |
|            | (b)          | Directory Number<br>Shared Call   | \$2.00 p/Call Appearance                  | None                     |
|            | ()           | Appearances   | \$1.00/Shared Call<br>Appearance          | None                     |
|            | (c)          | Analog Line Pickup  | \$1.00p/First Analog<br>Set               | None                     |
|            | (d)<br>(e)   | Privacy Release<br>(Automatic Exclusion)<br>Manual Exclusion                            | Included with CSV                         | None                     |
|            | · /          | (Privacy)   | Included with CSV                         | None                     |
| (2)        | (f)<br>Drime | Intercom Calling  | \$1.50 p/Each Member                      | None<br>None             |
| (2)<br>(3) |              | ary Directory Number<br>ndary Telephone   | Included w/CSV, CSD<br>\$2.00 p/Telephone | None                     |
| (0)        | Numb         |   | Number                                    | None                     |
| (4)        |              | Channel Capability  | Included w/CSD                            | None                     |
| (5)        | Custo        | om Call Services  | Custom Calling SVC<br>(CCS) Tariff        | *                        |

\* Service Connection Charges apply for ISDN-BRI Service based upon existing Service Connection charges. See Company's regulated tariff.

<sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

## D. INTEGRATED SERVICES DIGITAL NETWORK SERVICE (ISDN)<sup>(1)</sup> (Continued)

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7. Rates and Charges (Continued)

| e. | (Cor<br>(5) | •    | ntinued)  | <u>Rate</u>                         | Non-Recurring<br><u>Charges</u> |
|----|-------------|------|---|-------------------------------------|---------------------------------|
|    |             | (a)  | Call Hold, Drop and<br>Transfer                   | Included w/CSV                      | None                            |
|    | (6)         | Adva | anced Calling Services                            | Advanced Calling SV<br>(ACS) Tariff | C *                             |
|    |             | (a)  | Caller Identification -<br>Name (where available) | 50% of ACS                          | *                               |
|    |             | (b)  | Caller Identification -<br>Number                 | Included w/ CSV<br>and CSD          | None                            |
| f. |             |      | n Packet<br>Data, Per "D" Channel                 |                                     |                                 |
|    | (Bus        |      | and Residence)                                    | \$10.00                             | *                               |
|    | (1)         |      | Control Parameter Nego                            | tiation                             | None                            |
|    | (2)         |      | oughput Class Negotiation                         |                                     | None                            |
|    | (3)         |      | cal Channels                                      |                                     | None                            |
|    | (4)<br>(5)  |      | ming Calls Barred                                 |                                     | None<br>None                    |
|    | (5)<br>(6)  |      | going Calls Barred<br>ed User Groups (CUG):       |                                     | NOTE                            |
|    | (0)         | a.   | Per CUG   |                                     | \$25.00 p/CUG                   |
|    |             | b.   | Per Member in CUG                                 | \$                                  | 1.00 Add'l Member               |
|    | (7)         |      | Select  |                                     | None                            |
|    | (8)         | Fast | Select Acceptance                                 |                                     | None                            |

\* Service Connection Charges apply for ISDN-BRI Service based upon existing service connection charges. See Company's regulated tariff.

<sup>(1)</sup> This service is grandfathered to existing customers effective October 18, 2016. The service will not be available to new customers after this date.

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## E. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) PRIMARY RATE INTERFAC

- 1. General Description
  - a. 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.
  - b. 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.
  - c. 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. Twentythree 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.
- <sup>(1)</sup> This service is grandfathered to existing customers effective May 1, 2018. The service will not be available to new customers after this date.

- E. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) PRIMARY RATE INTERFACE (PRI)<sup>(1)</sup> (Continued)
  - 1. <u>General Description (Continued)</u>



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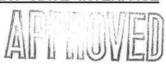
- c. Primary Rate Interface (PRI) Service Arrangement (Continued)
  - (2) **Primary Rate Access Facility** The Primary Rate Access Facility provides a high capacity digital link over which the Primary Rate services are delivered. This facility is based on a 1.544 mbps DS1 carrier (T1 facility).
  - (3) 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-of-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.
- 2. Undertaking of the Telephone Comapny
  - a. 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:

- (1) 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).
- <sup>(1)</sup> This service is grandfathered to existing customers effective May 1, 2018. The service will not be available to new customers after this date.

## E. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) PRIMARY RATE INTERFACE (PRI)<sup>(1)</sup> (Continued)

2. Undertaking of the Telephone Company (Continued)



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- a. 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).

- (4) 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.
- (5) 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.

<sup>(1)</sup> This service is grandfathered to existing customers effective May 1, 2018. The service will not be available to new customers after this date.

b.

## SPECIAL DIAL TONE AND SERVICE ARRANGEMENTS

#### INTEGRATED SERVICES DIGITAL NETWORK (ISDN) PRIMARY RATE INTERFACE E. (PRI)<sup>(1)</sup> (Continued)

- Undertaking of the Telephone Company (Continued) 2.
  - **Technical Specifications**

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- Transmission Specifications The Primary Rate Access Facility (1)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:
  - Line Code Bipolar 8 Zero Substitution (B8ZS) = . Extended Super Frame (ESF)
  - Framing Format = .
    - Q.931 Signaling Signaling =
    - Data Rate 64 kbps clear or kbps restricted =
    - 24th channel on the T1 facility D Channel =
- 3. Obligations of the End User
  - Customer Premise Equipment (CPE) and Facilities Compatible CPE is a. 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<br>Switching and Signaling Generic Requirements<br>for Class II Equipment |  |  |  |  |
| SR-NWT-002343   | ISDN Primary Rate Interface Generic Guidelines<br>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 is grandfathered to existing customers effective May 1, 2018. The service will not be available to new customers after this date.

## E. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) PRIMARY RATE INTERFACE (PRI)<sup>(1)</sup> (Continued)

4. Regulations and Conditions



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- a. 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.
- b. 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.
  - (1) 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.
    - (a) 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.
    - (b) Mileage Charges: Provision of the underlying PRI Access facility (T1) is mileage sensitive. As such, additional mileage charges may apply.

## 5. 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.
- c. Suspension of service is not allowed.
- d. 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.
- <sup>(1)</sup> This service is grandfathered to existing customers effective May 1, 2018. The service will not be available to new customers after this date.

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### E. INTEGRATED SERVICES DIGITAL NETWORK (ISDN) PRIMARY RATE INTERFACE (PRI)<sup>(1)</sup> (Continued)

- 5. <u>Payment for Service</u> (Continued)
  - e. Billable Call Treatment: Normal toll charges (including InWATS and OutWATS charges) shall apply to calls that are made outside of the Local Service Area.
  - f. Customer Premise Equipment (CPE):
    - (1) 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.
    - (2) The customer is responsible for providing the power required for any and all CPE connected to an ISDN-PRI.
  - g. 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.
  - h. 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.

<sup>(1)</sup> This service is grandfathered to existing customers effective May 1, 2018. The service will not be available to new customers after this date.

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#### INTEGRATED SERVICES DIGITAL NETWORK (ISDN) PRIMARY RATE INTERF E. (PRI)<sup>(1)</sup> (Continued)

#### 6. **Rates and Charges**

| ISDN PRI Service   | ISDN-PRI RATE SCHEDULE<br>Monthly Rate                         | Service Establishment (Nonrecurring Rates)  |
|--|--|---|
| DN-PRI ACCESS:   |  |   |
| DN-PRI ACCESS:   |  |   |
| a. ISDN-PRI Access Facility  | Included in ISDN-PRI Rate<br>(Communication Channels Mo. Rate) | Included in ISDN-PRI Service Establishment<br>(Communications Channels Svc Establishment) |
| (first mile)   | (Communication Charnels Mo. Rate)                              |   |
| b. PRI-Access Facility-Mileage   | \$20 00/each additional mile                                   | Included in ISDN-PRI Service Establishment  |
| Charges (each additional line)   |  | (Communications Channels Svc Establishment)   |
| DMMUNICATION CHANNELS:   |  |   |
| a. B Channels plus D channel   | \$700.00   | \$1,000.00  |
| OR, B Channels (Multiple PRI   | \$700.00   | \$1,000.00  |
| Arrangement)   |  |   |
|  | N/A  | \$200.00  |
| b. T1/PRI Rearrangement Charge<br>(In lieu of \$1,000.00 Service               | N/O  | Ψ200.00   |
| Establishment Charge when the  |  |   |
| customer already has a T1 in place)  |  |   |
|  | \$100.00   | \$150.00  |
| c. D Channel Backup  |  |   |
|  | No Charge  | No Charge   |
| d. Directory Numbers:<br>Primary Directory Number (w/each                      |  |   |
| ISDN-PRI)  |  |   |
| Additional Directory Numbers   | \$2.00/Directory Number  | \$25.00/Initial Service Establishment Request   |
| e. ISDN-PRI Failover Solution  | No Charge  | No Charge   |
| RCUIT SWITCHED FEATURES:   |  |   |
| Features:<br>1. Clear Channel Capability                                       | No Chorge  | No Charge   |
| Poor Victorian Indiane-stational Indianes                                      | No Charge  | No Charge   |
| 2. Call-by-Call Capability for the<br>following:                               |  |   |
| a. Public Network Calls (incoming,   | No Charge  | No Charge   |
| outgoing or 2-way trunk calls).<br>b. DID (1)                                  | No Charge  | No Charge   |
| c. FX: All existing tariff rates apply   | \$10,00  | \$50.00   |
| to FX facilities between CO's.<br>d. Tie Facility: All existing tariff         | \$10.00  | \$50.00   |
| rates apply to Tie facilities  | 410,00   | 00,00   |
| e. InWATS: All existing tariff rates   | \$10.00  | \$50.00   |
| apply to measured InWATS.  |  |   |
| <li>f. OutWATS: All existing tariff<br/>rates apply to measured</li>           | \$10.00  | \$50.00   |
| luiWATS.   |  |   |
| 3. Advanced Calling Services:  | Included w/ISDN-PRI  | Included in ISDN-PRI Service Establishment  |
| Caller ID – Basic (per PRI)  | (Communication Channels Mo. Rate)                              | (Communication Channels Svc Establishment)  |
| Subsequent Feature Additions/Changes:  |  |   |
| Feature Additions/Changes per PRI  | N/A  | \$50.00   |
| Move Charge  | N/A  | \$25.00   |
| To Move ISDN-PRI Service, per PRI<br>Rates for blocks of numbers are provision |  | φ20.00  |

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

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## SPECIAL DIAL TONE AND SERVICE ARRANGEMENTS

## F. DEDICATED DS1 SERVICE<sup>(1)</sup>



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 DS1 facilities from their location to another location within the same exchange or from their location to the Central Office for channelization.

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.

<u>DS1</u> - 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
  - 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.
- <sup>(1)</sup> This service is grandfathered to existing customers effective May 1, 2018. The service will not be available to new customers after this date.

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- F. <u>DEDICATED DS1 SERVICE<sup>(2)</sup></u> (Continued)
  - 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.<sup>(1)</sup>
    - f. If a customer terminates service prior to the expiration of the term, the customer shall pay an early termination fee equal to the difference between the amount billed had the customer been billed at the rate applicable under the contract and the amount which would've been billed under a shorter term contract. That difference in monthly contracted amounts would apply to each month that the customer received the service prior to the termination.

Example: Customer signs a 36 Mo. Contract and terminates after 28 Months

12 Mo. Rate (\$210) – 36 Mo. Rate (\$190) = \$20 x 28 months = \$560 ETC

- g. The rates listed in Paragraph D., 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.
- h. 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.
- i. 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.
- <sup>(1)</sup> This contract termination charge application will be grandfathered effective July 15, 2010. Any contracts signed after this date, will include the termination charge application as specified in Paragraph 6 above.
- <sup>(2)</sup> This service is grandfathered to existing customers effective May 1, 2018. The service will not be available to new customers after this date.

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## SPECIAL DIAL TONE AND SERVICE ARRANGEMENTS

#### DEDICATED DS1 SERVICE<sup>(1)</sup> (Continued) F.

Rates and Charges 4.

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

| a. | Recurring Rates<br>Monthly |   |                                |                         |  |  |
|----|----------------------------|---|--------------------------------|-------------------------|--|--|
|    | (4)                        | NA  | Rate                           | Trans<br><u>Code</u>    |  |  |
|    | (1)                        | <u>Month to Month</u><br>1 Channel<br>2 Channels<br>3+ Channels     | \$230.00<br>200.00<br>200.00   | T1MM1<br>T1MM2<br>T1MM3 |  |  |
|    | (2)                        | <u>12 Months</u><br>1 Channel<br>2 Channels<br>3+ Channels          | 210.00<br>180.00<br>160.00     | T1L11<br>T1L12<br>T1L13 |  |  |
|    | (3)                        | <u>36 Months</u><br>1 Channel<br>2 Channels<br>3+ Channels          | 190.00<br>160.00<br>140.00     | T1L31<br>T1L32<br>T1L33 |  |  |
|    | (4)                        | <u>60 Months</u><br>1 Channel<br>2 Channels<br>3+ Channels          | 180.00<br>150.00<br>130.00     | T1L51<br>T1L52<br>T1L53 |  |  |
| b. | Non                        | -recurring Charges  | Non-recurring<br><u>Charge</u> | Trans<br><u>Code</u>    |  |  |
|    | (1)                        | Design Order Charge, Per Order                                      | \$700.00                       | T1DOC                   |  |  |
|    | (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 is grandfathered to existing customers effective May 1, 2018. The service will not be available to new customers after this date.

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