
9. INTRAEXCHANGE PRIVATE LINE SERVICE

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9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.1 Intraexchange Private Line Service

.1 General

- a. Intraexchange Private Line Service will be provided on a case by case basis according to the rates and terms and conditions for Digital Data Service Facilities as set forth in Section 9 of this Product Guide.
- b. Private line service is the provision of BWTC facilities for communication between specified locations of customers or authorized users.
- c. This service will be provided according to the terms and conditions set forth in Section 2 of this Product Guide, unless otherwise indicated.
- d. Rates are provided on an individual case basis (ICB) unless otherwise indicated in this Product Guide.
- e. The applicable nonrecurring service charges are provided on an individual case basis (ICB) unless otherwise indicated on this Product Guide.
- f. The rates and nonrecurring service charges provided in this section shall apply for the services specified.
- g. Miscellaneous Services available to the customer include but are not limited to the following:
 - Additional Labor
 - Extension Interface
 - Maintenance of Service Charge
 - Telecommunications Service Priority (TSP) System
 - Additional Testing
- h. Order Modification Charges are provided on an individual case basis (ICB) unless otherwise indicated in this Product Guide.
- i. Where BWTC changes its office boundaries, and a customer's channel charge would be increased, the original channel charges will remain in effect for a period not to exceed one year, unless the service is discontinued, changed, or moved to another location, or unless otherwise ordered by a regulatory agency.
- i. Customers will be offered a Term Payment Plan of 36, 60 or 84 months, applicable termination fees as defined in Section 2 of this Product Guide apply.
- j. Minimum service period of 30 days applies.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.1 Intraexchange Private Line Service (Continued)

.2 Descriptions

- a. Intraexchange Private Line Service (IPLS) is provided on a direct basis and is limited to one airline mile in length. These channels will be provided only at the option of BWTC. Applicable rates associated with Served Direct Channels are listed in Section 9 of this Product Guide.
- b. Description of Supplemental Features - Supplemental Features are items which can be added to a private line service to provide enhanced capabilities or improve its utility. References to specific uses or types indicate the most effective use for each Supplemental Feature. Customer use of IPLS for other purposes is limited only to the extent that such use must not harm the network or Company employees. Further, BWTC does not guarantee functional operation of Supplemental Features for these alternate applications.

Listed below are the Supplemental Features that are offered under this Product Guide.

1. Signaling Arrangements - Signaling arrangements, when furnished with Voiceband transmission facilities, enable the facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements provide for the conversion of one signaling method to another signaling method and/or extension of a signaling method at customer and BWTC interfaces and enables the transmission facilities to accommodate signaling transmission. Signaling arrangements are available with Voiceband transmission facilities to enable transmission of requested signaling formats.

BWTC will endeavor to provide the specific signaling protocols requested by the customer. In those cases where facilities and equipment are not available to meet the customer's specific requests, BWTC will provide the customer acceptable alternate protocols.

- a. Signaling Arrangements will be charged on a per Local Channel basis.

NOTE: Transmission data characteristics specified can only be met and guaranteed for the two-wire interface when the airline distance from the serving central office to the customer's premises is one mile or less and any interoffice channel is not greater than four airline miles between serving central offices.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.1 Intraexchange Private Line Service (Continued)

.2 Descriptions (Continued)

b. Description of Supplemental Features (Continued)

1. Signaling Arrangements (Continued)

- b. For connections to registered or grandfathered PBX (or similar) equipment, the customer must specify the equipment capability for use with Type A, B, or C signaling arrangement.
 - a. Type A - Loops 0 – 199 Ohm
 - b. Type B – Loops 200 - 999 Ohms
 - c. Type C – Loops 900 or greater Ohms
- c. Based on information provided by the customer, BWTC will furnish the appropriate signaling arrangement. Where the requested signaling arrangement is furnished and determined to be of a lesser signaling range than required, and the customer requests BWTC to furnish another signaling arrangement, such requests will be treated as a new request for service and appropriate service charges will apply.
- d. Where a PBX or similar system is changed and a different signaling arrangement is required, such a request will be treated as a new request for signaling arrangement, with appropriate service charges applicable.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.1 Intraexchange Private Line Service (Continued)

.3 Rates and Charges

1. Local Channel Termination

| Per Channel | Monthly Charge | NonRecurring Charge |
|---|----------------|---------------------|
| Local Channel Termination / Per Channel | \$11.55 | \$155.00 |

- Local Channel – one per customer premises location.

2. Signaling Arrangements

| Signaling Per Local Channel | Monthly Charge | Nonrecurring Charge |
|-----------------------------|----------------|---------------------|
| No Signaling (Dry Pair) | \$0.00 | \$0.00 * |
| Type A | \$13.86 | \$139.00 |
| Type B | \$13.86 | \$139.00 |
| Type C | \$13.86 | \$139.00 |

* If the customer elects “No Signaling” the Company will provide electrical continuity between the two local channels. Additional charges may apply to remove line conditioning within the network.

3. Local Loop Transport

| Local Loop Per Circuit | Monthly Charge | Nonrecurring Charge |
|------------------------|----------------|---------------------|
| 2 Wire Per Mile | 34.78 | 60.00 |
| 4 Wire Per Mile | \$69.56 | \$120.00 |

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.2 Digital Private Line Service

.1 General

- a. Digital Private Line Service will be provided on a case by case basis according to the rates and terms and conditions for Digital Data Service Facilities as set forth in Section 9 of this Product Guide.
- b. Digital Private Line Service provides an intraexchange digital connection between the end user's premises and the local serving wire center. The digital transmission rate available is either DS1 (1.544 Mbps) or DS3 (44.736 Mbps).
- c. Digital Private Line Service will be used by the customer to aggregate the customer's telecommunication services onto a digital local loop. The services which can be combined include private line and switched services. A representative list of services which can use Digital Private Line Service includes:
 1. Exchange Dial Tone service, e.g., exchange lines/trunks, Station Lines.
 2. Analog Transmission Services, e.g., Foreign Exchange Service, Private Line, Off-premise Extensions, Tie Lines.
 3. Digital Data Services (DS0 Channels (56 or 64 Kbps))
 4. DS1 (1.544 Mbps) Services
 5. DS3 (44.736 Mbps) Service
- d. Digital Private Line Service is comprised of the following components:

Digital Private Line Service Network Service Activation

1. The Digital Private Line Service will be provided on an individual case basis (ICB) monthly recurring rates, service charges and term commitment will be provided to Customer upon request.
2. Digital Private Line Service customers will order capacity in quantities of DS1 or DS3 facilities, (increments of 24 channels for a DS1 facility or increments of 28 DS1s for a DS3 facility is not permitted). Customers will be offered a Term Payment Plan of 36, 60 or 84 months, applicable termination fees as defined in Section 2 of this Product Guide apply.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.2 Digital Private Line Service (Continued)

.2 Digital Architecture

- a. Digital Private Line Service provides only the link between the End User and the local serving wire center. End-to-end private line and exchange services will utilize this digital link to the customer's premise, rather than the analog loop which might otherwise be provided. This architecture is intended to promote more efficient connectivity of analog and digital networks in the future.
- b. The time required to provision service is known as the service date interval. The service date interval for Digital Private Line Service and related network services connected to Digital Private Line Service will differ from the normal guidelines applicable to end-to-end services.
- c. Digital Private Line Service will be available on a digital basis to the network interface on a customer's premises. Traditional analog services, like off-premises stations and PBX trunks, can be provided on a digital basis encoded in a DS1 bit stream to a customer's premises at the sole discretion of BWTC. Under those conditions, they will be provided as DSO channels by BWTC. Both BWTC and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superceded by the electrical specifications of the 1.544 Mbps (DS1) or 44.736 Mbps (DS3) channel which is actually terminated. Each digital channel provided will have an identity only as a "time slot" within a DS1 or DS3 loop. Compatible digital to analog conversion equipment must be provided by the customer to derive the desired channelized services. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.2 **Digital Private Line Service (Continued)**

.3 Definitions

- a. Channel Service Unit (CSU). The term CSU denotes network channel terminating equipment provided by the customer to terminate digital facilities on a customer's premises.
- b. DSO. The term DSO denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps transmission bit rate signal; however, customer transmission rates may be limited to 56 Kbps by existing or available central office equipment. The required format and interface specifications are stated in RUS 1751H-405 Reference Manual.
- c. DS1. The term DS1 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission bit rate and provides for the two-way simultaneous transmission of isochronous timed Bipolar Return-to-Zero (BPRZ) bit stream format. Unframed signal formats are not permitted or compatible with BWTC equipment. The required format and interface specifications are stated in RUS 1751H-405 Reference Manual. DS1 facilities are normally provided on copper transmission medium.
- d. DS3. The term DS3 denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 44.736 Mbps transmission bit rate and provides for the two-way simultaneous transmission of isochronous timed Bipolar Return-to-Zero (BPRZ) bit stream format. The required format and interface specifications are stated in RUS 1751H-405 Reference Manual. DS3 facilities are provided on fiber optic transmission medium.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.2 Digital Private Line Service (Continued)

.4 Terms and Conditions

- a. Digital Private Line Service is furnished subject to the availability and type of digital equipment located in a BWTC central office. Service inquiries will be necessary to determine availability.
- b. Digital Private Line Service is provided as specified in this Product Guide. Digital Private Line Service may also be provided from the LAN-NET Service Product Guide, where LAN-NET Service is available. See LAN-NET Service Product Guide.
- c. Special Construction Charges as specified in Section 5 of this Product Guide may be applicable.
- d. Digital Private Line Service is subject to a minimum service period of 90 days.
- e. All Digital Private Line Service capacity/facilities must be terminated at a single equipment location on a customer's premises. Digital Private Line Service capacity cannot be split between premises or multiple locations within the same premise.
- f. The total number of digital channels activated by the customer may not, at any time, exceed the total Digital Private Line Service. Additionally, there are some types of service which require two DS0 channels to be combined. This restructuring of the channels within the DS1 or DS3 signal will reduce the normal quantity of channels available. BWTC will notify the customer when the Digital Private Line Service is altered by the types of services activated.
- g. Where BWTC changes its office boundaries, and a customer's channel charge would be increased, the original channel charges will remain in effect for a period not to exceed one year, unless the service is discontinued, changed, or moved to another location, or unless otherwise ordered by a regulatory agency.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.2 Digital Private Line Service (Continued)

.4 Terms and Conditions (Continued)

- h. Central Office Channelization (component of Digital Private Line Service) generally provides analog to digital conversion to permit individual exchange services to be transported over digital high capacity facilities. This channelization is also intended for use at BWTC locations where different high capacity digital network links terminate in the same Central Office and must be converted to individual analog or digital channels before the service links can be cross-connected.
- i. Channelization on a customer's premises will be provided by the customer.
- j. Provisioning of services introduces joint responsibilities between the customer and BWTC as specified in the following:
 - 1. Responsibilities of BWTC:
 - a. BWTC will endeavor to activate its portion of joint service in a timely manner on the negotiated date to support installation requirements.
 - b. BWTC will provide the customer with information regarding the type of channelization equipment to be used in each application.
 - c. BWTC will attempt to limit its selection of Central Office equipment to avoid operational and administrative difficulties associated with a multi-vendor environment.
 - d. BWTC reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.
 - e. BWTC will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes, and schedule cooperative testing for cutover, if required. At no time will BWTC be responsible for any expenses incurred by the customer as a result of a scheduled or unscheduled changes or upgrades to the company network.
 - f. Digital synchronization timing for Digital Private Line Service may be provided by BWTC. In the event BWTC does not or ceases to provide Digital synchronization timing for Digital Private Line Service the customer is solely responsible for providing Digital synchronization timing.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.2 Digital Private Line Service (Continued)

.4 Terms and Conditions (Continued)

2. Responsibilities of the Customer:

- a. The customer must be prepared to activate his portion of joint service in a timely manner on the negotiated date, providing testing equipment and personnel to support installation requirements, as may be necessary.
- b. The customer will be responsible for selecting his own equipment. Customer equipment must be compatible with BWTC provided channelization at the Central Office.

3. Trouble resolutions:

- a. BWTC will assist the customer in resolving any installation or day-to-day channel service problems. However, BWTC does not assume responsibility for the compatibility or suitability of the customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in a Premises Visit Charge as set forth in Section 4 to the customer.
- b. The technical specifications and standard network interfaces for DS1, DS3, and associated channelized services are stated in RUS 1751H-405 Reference Manual. Channelized DS1 service is available only with D4 channel bank equipment or compatible equivalent equipment.
- c. Emerging technology, such as low bit rate voice multiplexing techniques, may permit additional quantities of individual channels to be channelized on a single DS1 signal. Equipment providing this capability does not generally assure compatibility between different manufacturers. Some equipment may not be suitable for data transmission or tandem network line application. Rates, charges, and availability of this equipment will be negotiated with the customer under a Special Service Arrangement.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

Digital Private Line Service (Continued)

.4 Terms and Conditions (Continued)

- d. When a customer's Digital Private Line Service is interrupted due to facility failure between the Central Office and the customer premises, a pro-rata adjustment of the monthly charges involved will be allowed when the interruption of service continues in excess of 24 hours from the time it is reported to BWTC repair service except as otherwise specified in this Product Guide. The adjustment shall not be applicable for the time that BWTC stands ready to repair the service and the customer does not provide access or notification to BWTC for such restoration work to begin.
- e. Private line service shall not be used for any purpose for which payment or other compensation shall be received by either the customer or any authorized user, or in the collection, transmission, or delivery of any communications for others, except as provided:
 - Where the use of the service relates to coordination or exchange of pooled electrical power, for the transmission of communications between any two or more stations of such service or similar services furnished to others who are parties to the coordinating or exchange arrangement; or
 - For the transmission of communications to, from, within and between air carriers, where the customer is in aeronautical communications company licensed under the Aviation Services rules of the Federal Communications Commission to operate stations in the aeronautical mobile and fixed services.

This provision does not prohibit an arrangement between the customer and the authorized user to share the cost of the private line service.

Private line services are furnished for use between two or more designated premises. The services are intended only for communications in which the customer or an authorized user has a direct interest.

Any entity intending to resell intraexchange private line services must be certificated by the Public Utilities Commission.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.2 Digital Private Line Service

.5 Application of Rates

- a. Monthly rates and charges for Digital Private Line Service is provided on an individual case basis (ICB).
- b. The Digital Private Line Service element provides for the transport between the end-user premises and the serving central office.
- c. Digital Private Line Service is offered with 36, 60, or 84 month Term Payment Plan periods.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.2 Digital Private Line Service (Continued)

.6 Rates and Charges

a. Recurring and Nonrecurring Charges

1. Nonrecurring charges are one time charges that apply for specific work activity, (i.e., installation of service or change to an existing service). The types of nonrecurring charges that apply for Digital Private Line Service are those listed below.

- a. Initial Order Charge This charge is applied per Digital Private Line Service and is associated with a customer request to establish Digital Private Line Service.
- b. Service Change Charge. This charge is applied per Digital Private Line Service and is associated with a customer request for modifications to an existing Digital Private Line Service.

This would include activities such as, but not limited to:

- Change of associated channel assignment.
- Additions of supplemental features.
- Activate/Deactivate Network Service Activations.

c. Service Charges

| | <u>Nonrecurring Charge</u> |
|---|-------------------------------------|
| 1. Initial Order Charge | ICB |
| 2. Service Change Charge, per Digital Private Line Service, each (increment of DS1 or DS3 facility) | ICB |
| 3. Other Service Charges, per event | See Section 4 of this Product Guide |
| 4. Premises Visit Charge, per visit | See Section 4 of this Product Guide |

In addition to these charges, all appropriate Service order charges will apply.

9. INTRAEXCHANGE PRIVATE LINE SERVICE

9.2 Digital Private Line Service (Continued)

6.Rates and Charges

a. Recurring and Nonrecurring Charges

2.The monthly and nonrecurring rates for Digital Private Line Service without Service Order Charges are as follows:

| 90 day / Per System | <u>Monthly Charge</u> | <u>Installation Nonrecurring Charge</u> |
|--------------------------------|-----------------------|---|
| DS1 Facility / 24 DSO Channels | ICB | ICB |
| DS3 Facility / 28 DS1 Channels | ICB | ICB |

| 36, 60 and 84 Months / Per System | <u>Monthly Charge</u> | <u>Installation Nonrecurring Charge</u> |
|-----------------------------------|-----------------------|---|
| DS1 Facility / 24 DSO Channels | ICB | ICB |
| DS3 Facility / 28 DS1 Channels | ICB | ICB |

- a. Installation of Digital Private Line Service. These are nonrecurring charges associated with the work performed by BWTC in connection with the physical installation activities involving central office and/or outside plant facilities. These charges apply at initial installation and for additions to existing service.

Note: (ICB) – Individual Case Basis