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SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

### S10.1 Switched Data Service

#### S10.1.1 General

This Tariff section contains the application, definitions, description, regulations, and rates applicable to Switched Data service furnished by the Company where technological capabilities exist.

#### S10.1.2 Description

a. Switched Data service is a network service that provides the capability for switched digital end-to-end data transport. (T)

b. The customer may subscribe to Switched Data service under the following service arrangements, except when conditions specified in Section S10.1.4.j. are applicable: (N)

(1) Low Speed Switched Data - (T)
Single Line
CentraNet[R] Line (T)

Low Speed Switched Data service supports 300, 1200, 2400, 4800, 9600 and 19,200 bits per second asynchronous full or half duplex connections and 1200, 2400, 4800, 9600 and 19,200 bits per second synchronous full or half duplex connections.

(2) High Speed Switched Data - (T)
Single Line
CentraNet[R] Line (T)

High Speed Switched Data service supports 48,000, 56,000, and 64,000 bits per second synchronous full duplex connections.

(3) Switched Data Channel Access - (N)

A 1.544 Mbps high capacity digital facility that transports Switched Data usage between the customer premises and the local serving central office on a channelized basis. Switched Data Channel Access provides 24 digital channels that support data transmission only. On a per channel basis, the customer can transmit data up to 56,000 bits per second. (N)

(M) Material has been moved to Page 2. (M) (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.2 Description (Continued)**

b. (Continued)

(4) Switched Data Individual Line Loop Extension - An extended loop capability which transports Switched Data usage between the customer premises and the local serving central office. Each Switched Data Individual Line Loop Extension provides one channel which supports data transmission only. Each channel can transmit up to 56,000 bits per second, or up to 64,000 bits per second, depending on technology. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.2 Description (Continued)**

c. Standard Features (M)

(1) Data Line Security

This feature prevents a data call from being interrupted by override tones, such as a call waiting tone, or other test or busy verification tests that would interrupt the flow of data. (C)

(2) Intercom Dialing (C)(M)

This feature allows customer group stations to complete calls to other stations without the assistance of an attendant, by dialing a 2 through 7 digit number. This feature is applicable to CentraNet[R] customer groups only and is restricted to the serving wire center only.

(3) Direct Dialing

This feature allows the user to place local and long distance calls without the assistance of an attendant by using the standard 7 through 10 digit dialing methods. (C) (C)

d. Data Optional Features

(1) Data Direct Connect

This feature provides an automatic connection between a Switched Data calling line that goes off-hook and a predetermined location.

(2) Data Closed User Group

This feature, restricted to CentraNet[R] lines, provides partitioning of Switched Data lines into groups where calls within such a group are allowed, but calls between such groups are denied.

(M)[1]

(M) Material previously appeared on Page 1. (N)
(M)[1] Material has been moved to Page 3. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.2 Description (Continued)**

d. Data Optional Features (Continued)

(3) Voice Option

This feature allows simultaneous voice and data communications over a single Switched Data line. This feature is available where technical capabilities exist. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.

e. Data Optional Feature Packages

The following feature packages are available for use with Switched Data service, except where specified.

(1) Feature Package Data 1000 includes:

Data Individual Speed Dial-Short List - The use of the Individual Speed Call-Short List is limited to an individual Switched Data line. A short list consists of a maximum of eight stored numbers. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension. (T)

Data Call Forward (All/Busy/Busy Line Don't Answer) - This feature allows a customer to have incoming calls to a Switched Data line automatically forwarded to a predetermined number. Data Call Forward consists of three variations as follows: All calls, busy, and no answer. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension. (T)

Data Last Number Redial - This feature enables a customer to redial the last called number by depressing a single key rather than the entire number. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.

Data Toll Restriction - This feature will restrict toll calls from being placed over Switched Data lines.

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.2 Description (Continued)**

d. Data Optional Features (Continued)

(3) Voice Option

This feature allows simultaneous voice and data communications over a single Switched Data line. This feature is available where technical capabilities exist. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension. (C) (C)

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Data Toll Restriction - This feature will restrict toll calls from being placed over Switched Data lines.

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.2 Description (Continued)**

e. Data Optional Feature Packages (Continued)

(1) (Continued)

Data Sequential Hunt Group - This feature assigns a pilot telephone number to the hunt group. Hunting is sequential, i.e., starting at the first line assigned to the pilot telephone number and ending at the last line.

(2) Feature Package Data 2000 - This package offers the customer a choice of combining any or all of the Data 1000 Package features plus:

Data Call Back - This feature allows a Switched Data user encountering a busy station to be notified when the busy station becomes idle and to automatically establish the call. This feature is available with CentraNet[R] intercom calling. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.

Data Saved Number Redial - This feature allows a customer to dial a saved number by depressing a single key rather than the entire number. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.

Data Circular Hunting - This feature assigns a pilot telephone number to the hunt group. Hunting starts after the first idle line found by the previous hunt and continues until the hunting starting point is reached. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.

Data Group Speed Dialing - This feature provides storage for an abbreviated numbers list which is shared for use by a group of data lines. The list may be updated by a service order or by a user designated as the controller. Only the controller can add to, change or delete numbers from the list. Other lines with access to this list are (T)

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**S10.1 Switched Data Service (Continued)**

**S10.1.2 Description (Continued)**

e. Data Optional Feature Packages (Continued)

(1) (Continued)

Data Sequential Hunt Group - This feature assigns a pilot telephone number to the hunt group. Hunting is sequential, i.e., starting at the first line assigned to the pilot telephone number and ending at the last line.

(2) Feature Package Data 2000 - This package offers the customer a choice of combining any or all of the Data 1000 Package features plus:

Data Call Back - This feature allows a Switched Data user encountering a busy station to be notified when the busy station becomes idle and to automatically establish the call. This feature is available with CentraNet[R] intercom calling. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension. (C) (C)

Data Saved Number Redial - This feature allows a customer to dial a saved number by depressing a single key rather than the entire number. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension. (C) (C)

Data Circular Hunting - This feature assigns a pilot telephone number to the hunt group. Hunting starts after the first idle line found by the previous hunt and continues until the hunting starting point is reached. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension. (C) (C)

Data Group Speed Calling - This feature provides storage for an abbreviated numbers list which is shared for use by a group of data lines. The list may be updated by a service order or by a user designated as the controller. Only the controller can add to, change or delete numbers from the list. Other lines with access to this list are

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.2 Description (Continued)**

e. Data Optional Feature Packages (Continued)

(2) (Continued)

restricted. This feature is available to CentraNet[R] intercom calling. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.

Data Individual Speed Dial-Long List - This feature is the same as the Data Individual Speed Dial-Short List except, a long list consists of a maximum of thirty (30) stored numbers. This feature is also limited to an individual Switched Data Line and not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension. (T)

**S10.1.3 Definitions**

The following definitions are in addition to other definitions as stated in this and other Company tariffs.

Asynchronous - A method of transmitting data in which each transmitted character is preceded by a start bit and followed by a stop bit, thus permitting the interval between characters to vary.

Bit - A binary digit. The smallest unit of information in the binary system of notation.

Bits Per Second – The number of bits transmitted per second. A measure of the speed of transmission of digital information.

Digital - Information which is expressed in discrete or noncontinuous form.

Full Duplex – Type of communication that supports the transmission of data signals in both directions simultaneously. This is not associated with simultaneous transmission of voice and data communications.

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.2 Description (Continued)**

e. Data Optional Feature Packages (Continued)

(2) (Continued)

restricted. This feature is available to CentraNet[R] intercom calling. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension. (C)
(C)

Data Individual Speed Call-Long List - This feature is the same as the Data Individual Speed Call-Short List except, a long list consists of a maximum of thirty (30) stored numbers. This feature is also limited to an individual Switched Data Line and not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension. (C)
(C)

**S10.1.3 Definitions**

The following definitions are in addition to other definitions as stated in this and other Company tariffs.

Asynchronous - A method of transmitting data in which each transmitted character is preceded by a start bit and followed by a stop bit, thus permitting the interval between characters to vary.

Bit - A binary digit. The smallest unit of information in the binary system of notation.

Bits Per Second - The number of bits transmitted per second. A measure of the speed of transmission of digital information.

Digital - Information which is expressed in discrete or noncontinuous form.

Full Duplex - Type of communication that supports the transmission of data signals in both directions simultaneously. This is not associated with simultaneous transmission of voice and data communications.

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.3 Definitions (Continued)**

Half Duplex - Type of communication that supports transmission of data signals alternately in both directions, but is not capable of simultaneous and independent transmission and reception. This is not associated with simultaneous transmission of voice and data communications. (M) (C) (C)

Hunting - A search through a group of telephone numbers until an idle number is found or the last number of the group is reached. (T) (T)

Synchronous - A method of transmitting data in which the data characters and bits are transmitted at a fixed rate with the transmitter and receiver synchronized, eliminating the need for individual start bits and stop bits. (M) (N) (N)

**S10.1.4 Regulations** (M)

a. The following regulations are in addition to other regulations as stated in this and other Company tariffs. (C) (D)

b. The minimum billing for this service is one month. (T)

c. The rate elements applicable for Switched Data service are: (T)

(1) Switched Data Customer Line
(2) Network Usage
(3) Data Feature Packages
(4) Data Optional Features
(5) Software Reconfigurations (T)
(6) Customer Premises Channelization (Optional) (N)
(7) Service Connection Charge (N) (D) (M)

d. End User Charges as shown in Section 13 of GTOC Tariff FCC No. 1 will apply to Switched Data Service. (N)

e. Presubscription of Carrier rates and regulations shown in Section 6 of GTOC Tariff FCC No. 1 will apply to Switched Data Service.

f. Directory Listings for Switched Data service will be provided upon customer request in accordance with Section S6. (N)(M)[1] (N) (N)

(M) Material previously appeared on Page 5.
(M)[1] Material has been moved to Pages 7 and 8.

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.4 Regulations (Continued)**

g. Customer Premises Channelization, a component of Switched Data Channel Access, may be provided by the customer or the Company. When the Company provides the channelization equipment, it is not necessary for the customer to provide channel access cards for associated channels. The termination of this channelization will be in a single equipment location on a customer's premises. The customer must provide suitable floor space, controlled environment, and a source of non-switched 120 volt, 60 Hz. AC power to support this service. Emergency backup power and ring generating equipment capabilities are available for an extra charge on an individual case basis.

h. Switched Data Channel Access is required:

(1) Where customers are restricted by the technical requirements specified in Section S10.1.4.j.

(2) Where a customer's local serving central office is not capable of providing Switched Data. The Company will determine the nearest capable central office. Interoffice High Capacity Digital DS1 mileage (1.544) will apply from the non-capable central office to the central office capable of providing Switched Data at the mileage rate specified in Section S20.2.6. In this situation, the customer will utilize the dialing plan associated with the central office that delivers the digital dial tone. (NOTE: The High Capacity Digital DS1 Special Transport Termination charge is not to be applied in conjunction with the High Capacity Digital DS1 Special Transport mileage.)

i. Dialing Method

(1) Access to Switched Data service is obtained through a dial-up connection via the public switched telephone network using the standard 7 through 10 digit methods.

(2) Origination of calls for 800/877/888, 900, 976, 0- (intraLATA) and 0+ (intraLATA) is limited to voice calls only. These types of calls will be provided with the Voice Option feature of Switched Data service when requested by the customer. (C)

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.4 Regulations (Continued)**

j. Technical Requirements

(1) Switched Data requires the use of customer provided data equipment that must be compatible with the Company's equipment and facilities.

(2) Customers who choose to subscribe to the Single Line or CentraNet[R] Line arrangement are subject to distance limitations as a result of digital signal power loss which are technology dependent. Switched Data service will be provided where local loops do not exceed the following limitations:

DMS-100 central office switch - 42dB loss at 80 kilohertz, equating to a range from approximately 12,000 feet to approximately 18,000 feet, depending on cable gauge and including customer wiring.

GTD-5 central office switch - 26dB loss at 80 kilohertz, equating to a range from approximately 8,000 feet to approximately 15,000 feet, depending on cable gauge and including customer wiring.

A Non-ISDN equipped 5ESS central office switch: 42 db loss at 80 kilohertz, equating to a range from 12,000 feet to approximately 14,000 feet, depending on cable gauge and including customer wiring. (N) (N)

Where these conditions cannot be met, the customer must subscribe to Switched Data Individual Line Loop Extension or Switched Data Channel Access for Switched Data service. (C) (C)

(M)

(N)

(M) Material has been moved to Page 8.1.

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.4 Regulations (Continued)**

k. Availability (M)

(1) The provision of Switched Data Service and the associated features are subject to the availability of certain Central Office and outside plant facilities. (M)

l. Switched Data Individual Line Loop Extension is required: (N)

Where customers are restricted by the technical requirements as specified in Section S10.1.4j.

Where a customer's local serving central office is not capable of providing Switched Data, the Company will determine the nearest designated central office capable of providing Switched Data Service. Interoffice digital data service (DDS) mileage will apply from the noncapable central office to the central office capable of providing Switched Data at the rates shown in Section S20.2.8c. of this tariff. In this situation, the dialing plan associated with the central office that will be providing the Switched Data service to the customer will be utilized. (N)

**S10.1.5 Application of Rates** (M)

a. Switched Data CentraNet[R] Line rates are determined by the total number of either Low Speed or High Speed lines (i.e., if a customer requests 55 Low Speed lines and 25 High Speed lines, all 55 Low Speed lines will be billed at the "50-100" rate and all 25 High Speed lines will be billed at the "2-49" rate).

b. Rates and charges specified in other Tariff sections for services provided in conjunction with Switched Data service (i.e., Touch-Tone, SmartCall features, CentraNet[R] features, etc.) are in addition to the monthly rates for Switched Data service. (M)

(M) Material previously appeared on Page 8. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.5 Application of Rates (Continued)**

c. Customer Premises Channelization is an optional component of Switched Data Channel Access. The customer has the option to support premises channelization with CPE devices or to be made available by the Company. Channelization at the customer premises when provided by the Company is available at the rates specified in Section S10.1.6. Both the Customer Premises Termination per access (24 channels) and the Customer Premises Channelization per channel will apply. (N)

d. Switched Data lines placed in a business group do not require Network Access Registers (NARs) for outbound data traffic. However, the customer may choose to purchase additional NARs to support all terminating traffic that may be increased by Switched Data. (N)

(M)

(M) Material has been moved to Page 13. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.6 Rates and Charges** (T)

The following rates and charges are in addition to other rates and charges stated in this and other Company tariffs. (N) (N)

a. Switched Data Customer Line (T) (M)

| Rate Element | Non-Recurring Charge Per Line | GSEC | Monthly Recurring Charge Per Line | GSEC | |
|---|---|---|---|---|---|
| (1) CentraNet[R] Switched Data Line[1,2], with intercom (C) | | | | | |
| Low Speed | | | | | |
| 2-49 Lines, each | $50.00 | | SWDLS-IC | $40.00 | SWDLS1 |
| 50-100 Lines, each | 50.00 | | SWDLS-IC | 37.00 | SWDLS2 |
| 101+ Lines, each | 50.00 | | SWDLS-IC | 34.00 | SWDLS3 |
| High Speed | | | | | |
| 2-49 Lines, each | 50.00 | | SWDHS-IC | 50.00 | SWDHS1 |
| 50-100 Lines, each | 50.00 | | SWDHS-IC | 47.00 | SWDHS2 |
| 101+ Lines, each | 50.00 | | SWDHS-IC | 44.00 | SWDHS3 |
| (2) Single Line Switched Data Line[1,2], without intercom (T) (C) | | | | | |
| Low Speed, each | 50.00 | | SWDLS-IC | 37.00 | SWDLS |
| High Speed, each | 50.00 | | SWDHS-IC | 47.00 | SWDHS |

Note 1: Local Loop Charge is included in the Switched Data Line Rate.

Note 2: Data Usage Charges will be applied from the Usage Sensitive Service (USS) rates and the Measured Extended Area Service (MEAS) rates, where applicable, as covered in Section 3 of the General Customer Services Tariff. (M)

(N)

(N)

(M) Material previously appeared on Page 7.

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.6 Rates and Charges (Continued)**

a. Switched Data Customer Line (Continued) (N)

| | Rate Element | Non-Recurring Charge Per Line | GSEC | Monthly Recurring Charge Per Line | GSEC |
|---|---|---|---|---|---|
| (3) | Switched Data Channel Access (24 channels)[3] | Note 1 | First: SWDCACC-IC Add'l: SWDCACCA-IC | Note 1 | First: SWDCACC Add'l: SWDCACCA SPTR: SWDCMI |
| | Central Office Termination, per Access arrangement | $125.00 | SWDCOT-IC | $150.00 | SWDCOT |
| | Central Office Channelization[4], per channel activated | - | - | 6.00 | SWDCOC SWDCOCDID SWDCOCCNT |
| | Customer Premises Termination, per Access arrange-ment[2] | 75.00 | SWDCPT-IC | 100.00 | SWDCPT |
| | Customer Premises Channelization, per channel acti-vated[2] | 20.00 | SWDCPC-IC | 30.00 | SWDCPC |

Note 1: Refer to Section S20.2.6 for the High Capacity Digital DS1 Special Access Line rate and Special Transport rate (when applicable). The High Capacity Digital DS1 Special Transport Termination charge does not apply.

Note 2: Optional component with each Switched Data Channel Access (24 channels).

Note 3: Two End User Charges (per 24 channels) as shown in Section 13 of GTOC Tariff FCC No. 1 also applies.

Note 4: Data Usage Charges will be applied from the Usage Sensitive Service (USS) rates and the Measured Extended Area Service (MEAS) rates, where applicable, as covered in Section 3 of the General Customer Services Tariff.

(N)

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.6 Rates and Charges (Continued)**

b. Switched Data Individual Line Loop Extension[1] (N)

| | | | |
|---|---|---|---|
| (1) | Monthly Rate: | | |
| | Switched Data Individual Line Loop Extension Access, Single Line, each | $50.00 | SWDALNLE, SWDALNLEFX |
| | Switched Data Individual Line Loop Extension Access-CentraNet[R], each | 50.00 | SWDALNCNTLE, SWDALNCNTLEFX |
| | Switched Data Individual Line Loop Extension Channel, per line | | |
| | Single Line | 12.00 | SWDLE |
| | CentraNet[R] | 15.00 | SWDCNTLE |
| (2) | Nonrecurring Charge: | | |
| | Switched Data Individual Line Loop Extension Access, Single Line, each | 50.00 | SWDALNLE-IC |
| | Switched Data Individual Line Loop Extension Access, CentraNet[R], each | 50.00 | SWDALNCNTLE-IC |
| | Switched Data Individual Line Loop Extension Channel, per line | | |
| | Single Line | 50.00 | SWDLE-IC |
| | CentraNet[R] | 50.00 | SWDCNTLE-IC |
| | | Monthly Rate | GSEC |
| (3) | Interoffice Transport: | Note 2 | SWDLEMI |

Note 1: Two End User Charges (per 24 channels) as shown in Section 13 of GTOC Tariff FCC No. 1. also applies.
Note 2: The Digital Data Service Special Transport rate as specified in Section S20.2.8c. of this Tariff shall apply.

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.6 Rates and Charges (Continued)**

b. Network Usage* (T) (M)

(1) Voice (T)
Flat Rate Service - Unlimited Usage Rates will be applied from Section S3.2.1.a.(1).

Usage Sensitive Service - Usage Rates will be applied from Section S3.10.4.b. and c.

Flat Rate Service with Measured Extended Area Service - Unlimited Usage Rates will be applied from Section S3.2.1.a.(1) and MEAS Usage rates from S3.3.2.h. and i.

Network Access Register Package - Rates from Section S3.12.2.d. apply for CentraNet[R] Service in addition to any applicable Call Connection and Minute of Use Rates set forth in Section S3.

(2) Data (T)
Usage charges will be applied from the Usage sensitive Service (USS) rates and the Measured Extended Area (MEAS) rates, where applicable, as covered in Sections S3.10.4.b. and c. and S3.3.2.h. and i. respectively.

(3) Toll calls will be billed at current toll rates covered in Section S18. (T)

* Network usage charges are not applicable to CentraNet[R] intercom calls.

c. Data Optional Features (T)

| | Monthly Rate | GSEC |
|---|---|---|
| Data Direct Connect, each line | $ 1.00 | SWDDDC |
| Data Closed User Group, each line | 1.00 | SWDDCUG |
| Voice Option[1], each line | 5.00 | SWDVOUS<br>SWDVOFL<br>SWDVOEAS<br>SWDVOCNT |

Note 1: Voice usage charges will apply in addition to this charge. (M) (N)

(M) Material previously appeared on Page 8.

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## S10. DIGITAL NETWORK SERVICES

**S10.1 Switched Data Service (Continued)**

**S10.1.6 Rates and Charges (Continued)**

d. Data Feature Packages

| | Monthly Rate | GSEC | |
|---|---|---|---|
| Feature Package Data 1000 (includes Data Individual Speed Dial-Short List, Data Call Forward (All/Busy/Don't Answer), Data Last Number Redial, Data Toll Restriction, and Data Sequential Hunt Group), each line | $ 3.00 | SWD1000<br>SWD1000TR | (T)<br>(T) |
| Feature Package Data 2000 (includes Feature Package Data 1000 plus the following features: Data Call Back, Data Saved Number Redial, Data Circular Hunting, Data Group Speed Dialing, and Data Individual Speed Dial-Long List), each line | 5.00 | SWD2000<br>SWD2000TR | (T)<br>(T) |

| | Rate Per Event | GSEC |
|---|---|---|
| e. Software Reconfiguration Charge | 12.75 | SWDRC |

f. The Software Reconfiguration Charge is applicable for any software changes that are required to make changes to Optional Features (e.g., changing Speed Dial Lists, Data Direct Connection Destination, etc.) or Feature Packages. The Network Access Change Charge shown in Section S4 is also applicable. (T)

g. Service charges are not applicable to features which are provided at the same time the Switched Data customer line is established.

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## S10. DIGITAL NETWORK SERVICES

### S10.1 Switched Data Service (Continued)

### S10.1.6 Rates and Charges (Continued)

d. Data Feature Packages (T)(M)

| | Monthly Rate | GSEC |
|---|---|---|
| Feature Package Data 1000 (includes Data Individual Speed Call-Short List, Data Call Forward (All/Busy/No Answer), Data Last Number Redial, Data Toll Restriction, and Data Sequential Hunt Group), each line | $ 3.00 | SWD1000<br>SWD1000TR |
| Feature Package Data 2000 (includes Feature Package Data 1000 plus the following features: Data Call Back, Data Saved Number Redial, Data Circular Hunting, Data Group Speed Calling, and Data Individual Speed Call-Long List), each line | 5.00 | SWD2000<br>SWD2000TR |

| | Rate Per Event | GSEC |
|---|---|---|
| e. Software Reconfiguration Charge | 12.75 | SWDRC |

(T)

f. The Software Reconfiguration Charge is applicable for any software changes that are required to make changes to Optional Features (e.g., changing Speed Call Lists, Data Direct Connection Destination, etc.) or Feature Packages. The Network Access Change Charge shown in Section S4 is also applicable. (T)

g. Service charges are not applicable to features which are provided at the same time the Switched Data customer line is established. (T)

(M)

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(N)

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## S10. DIGITAL NETWORK SERVICES

### S10.2 CONTROLINK[R] Digital Channel Service (N)

#### S10.2.1 General

a. CONTROLINK[R] Digital Channel Service provides an intraexchange digital common line 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). (CONTROLINK[R] Digital Channel Service connections may be made to another central office, owned by the Company, within the same exchange, subject to S10.2.4c. following.)

b. CONTROLINK[R] Digital Channel 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, intraexchange, intraLATA and interLATA services. A representative list of services which can use Digital Channel Service facility includes:

(1) Exchange Dial Tone service, e.g., exchange lines/trunks, CentraNet[R] Station Lines.

(2) Analog Transmission Services, e.g., Foreign Exchange Service, Private Line, Off-premise Extensions, Tie Lines, Intrastate WATS.

(3) Digital Data Services (2.4, 4.8, 9.6, 56 or 64 Kbps)

(4) DS1 (1.544 Mbps) Services

(5) DS3 (44.736 Mbps) Services

c. CONTROLINK[R] Digital Channel Service is comprised of the following components:

Digital Channel Capacity
Service Activation

(1) The Digital Channel Capacity and Service Activation will be at the rates and charges as specified in Section S10.2.6 of this Tariff.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)**

**S10.2.1 General (Continued)**

c. (Continued)

(2) CONTROLINK[R] Digital Channel Service customers will order capacity in quantities of DS1 or DS3 facilities, (increments of 24 channels for a DS1 facility or increments of 28 channels for a DS3 facility). Customers will be offered a Term Payment Plan of 36, 60 or 84 months. (C) (D) (D)

**S10.2.2 Digital Architecture**

a. CONTROLINK[R] Digital Channel Service provides only the common line 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 CONTROLINK[R] Digital Channel Service and related network services connected to CONTROLINK[R] Digital Channel Service will differ from the normal guidelines applicable to end-to-end services.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.1 General (Continued)**

c. (Continued)

(2) CONTROLINK[R] Digital Channel Service customers will order capacity in quantities of DS1 or DS3 facilities, (increments of 24 channels for a DS1 facility or increments of 28 channels for a DS3 facility). Customers will be offered a Term Payment Plan of 36, 60 or 84 months. After completion of the selected payment plan, the service will be provided on a month-to-month basis at the same rate schedule as the completed payment plan.

**S10.2.2 Digital Architecture**

a. CONTROLINK[R] Digital Channel Service provides only the common line 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 CONTROLINK[R] Digital Channel Service and related network services connected to CONTROLINK[R] Digital Channel Service will differ from the normal guidelines applicable to end-to-end services.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.2 Digital Architecture (Continued)**

c. CONTROLINK[R] Digital Channel Service will be available on a digital basis at 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 to a customer's premises by the Company when a customer desires them encoded in a DS1 bit stream. Under those conditions, they will be provided as DSO channels by the Company. Both the Company 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.

**S10.2.3 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. Digital Channel Capacity. A multifunctional DS1 or DS3 signal between the customer premises and the central office. This digital link can be used to transport switched and dedicated multijurisdictional services. This element acts as the transport medium for the service activations ordered by the customer. Digital Channel Capacity is available in quantities of DS1 or DS3 facilities.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.3 Definitions (Continued)**

c. 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 Section 7000 of the GTE Technical Interface Reference Manual.

d. 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 Company equipment. The required format and interface specifications are stated in Section 7000 of the GTE Technical Interface Reference Manual. DS1 facilities are normally provided on copper transmission medium.

e. 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 Section 7000 of the GTE Technical Interface Reference Manual. DS3 facilities are provided on fiber optic transmission medium.

f. Service Activation. A Service Activation is the connection between the CONTROLINK[R] Digital Channel facility and the network service accessed.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.4 Regulations**

a. CONTROLINK[R] Digital Channel Service is furnished subject to the availability and type of digital equipment located in a central office building owned or leased by the Company. Service inquiries will be necessary to determine availability.

b. Special Construction Charges as specified in Section S5 of this Tariff may be applicable.

c. The 1.544 Special Transport mileage as specified in Section S20.2 of this Tariff will apply when a customer's request for CONTROLINK[R] Digital Channel Service is provisioned in a central office other than the customer's local serving wire center.

d. The customer may activate any number or combination of digital channels within the limitations as set forth in Section S10.2.4.g. Digital channels may be activated coincident with or at any time subsequent to the initial installation of CONTROLINK[R] Digital Channel Service. Once activated, a digital channel is subject to a minimum service period.

e. All CONTROLINK[R] Digital Channel Service capacity/ facilities must be terminated at a single equipment location on a customer's premises. CONTROLINK[R] Digital Channel Service capacity cannot be split between premises, or multiple locations within a premises.

f. When individual digital channels are activated to provide the local loop link for services offered in other sections of this Tariff, the regulations, rates, and charges specified in this Tariff will apply.

g. The total number of digital channels activated by the customer may not, at any time, exceed the total Digital Channel Capacity. 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. The Company will notify the customer when the Digital Channel Capacity is altered by the types of services activated.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.4 Regulations (Continued)**

h. Central Office Channelization (component of Digital Channel Capacity) generally provides analog to digital conversion to permit individual exchange services and multijurisdictional dedicated services to be combined and transported over digital high capacity facilities. This channelization is also intended for use at Company 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. Joint provisioning of services introduces joint responsibilities between the customer and the Company as specified following:

(1) Responsibilities of the Company:

(a) The Company will endeavor to activate its portion of joint service in a timely manner on the negotiated date to support installation requirements.

(b) The Company will provide the customer with information regarding the type and the manufacturer of Central Office (C.O.) channelization equipment to be used in each application.

(c) The Company will attempt to limit its selection of Central Office equipment to avoid operational and administrative difficulties associated with a multi-vendor central office environment.

(N)

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.4 Regulations (Continued)**

j. (Continued)

(1) (Continued)

(d) The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.

(e) The Company 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.

(f) Digital synchronization timing for CONTROLINK[R] Digital Channel Service will be provided by the Company.

(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 the Company provided channelization at the Central Office.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.4 Regulations (Continued)**

j. (Continued)

(3) Trouble resolutions:

(a) The Company will assist the customer in resolving any installation or day-to-day channel service problems. However, the Company does not assure responsibility for the compatibility or suitability of the customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in a Maintenance of Service Charge as set forth in Section S4.7 to the customer.

k. The technical specifications and standard network interfaces for DS1, DS3, and associated channelized services are stated in Section 7000 of the GTE Technical Interface Reference Manual. Channelized DS1 service is available only with D4 channel bank equipment or compatible, equivalent equipment.

l. 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.

m. When a customer's CONTROLINK[R] Digital Channel Service is interrupted due to any cause other than the negligence or willful act of the customer or the failure of the facilities provided by the customer, a pro-rata adjustment of the monthly charges involved will be allowed automatically for the service and facilities rendered useless and inoperative by reason of the interruption during the time said interruption continues in excess of 24 hours from the time it is reported to or detected by the Company except as otherwise specified in this Tariff. The adjustment shall not be applicable for the time that the Company stands ready to repair the service and the customer does not provide access to the Company for such restoration work.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)**

**S10.2.5 Application of Rates**

a. Three basic rate elements; Digital Channel Capacity, Digital Channel Activation, and Service Activation, are applicable to each CONTROLINK[R] Digital Channel Service.

b. The Digital Channel Capacity element provides for the transport between the end-user premises and the serving central office. Digital Channel Capacity is offered with 36, 60, or 84 month Term Payment Plan periods. (C) (D)

c. Service Activation charges are recurring charges and are applicable for each network service (switched or dedicated) required by the customer. Service Activation is offered on a month-to-month basis. For DS1 services, a DS1 Service Activation charge is applicable.

d. Monthly rates and charges as specified in Section S10.2.6 for Digital Channel Capacity apply according to the requested channel capacity. These rates apply regardless of the number of digital channels that are actually activated by the customer at a point in time.

e. Rates and charges specified in other Tariff sections for services such as Touch Calling, Verizon calling service features, etc., are in addition to the monthly rates for CONTROLINK[R] Digital Channel Service. (T)

f. The rates and charges for other services connected or extended beyond CONTROLINK[R] Digital Channel Service (i.e., off-premises stations and private lines, etc.) are in addition to the rates specified in this Tariff for the CONTROLINK[R] Digital Channel Service portion necessary to provide customer end-to-end service. This will also apply to Nonrecurring Charges and Service Connection Charges as specified in other Tariffs for activities involving the non-CONTROLINK[R] Digital Channel Service portion of the customer end-to-end service.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)**

**S10.2.5 Application of Rates**

a. Three basic rate elements; Digital Channel Capacity, Digital Channel Activation, and Service Activation, are applicable to each CONTROLINK[R] Digital Channel Service.

b. The Digital Channel Capacity element provides for the transport between the end-user premises and the serving central office. Digital Channel Capacity is offered with 36, 60, or 84 month Term Payment Plan periods, after which service is provided on a month-to-month basis at the completed payment plan rates.

c. Service Activation charges are recurring charges and are applicable for each network service (switched or dedicated) required by the customer. Service Activation is offered on a month-to-month basis. For DS1 services, a DS1 Service Activation charge is applicable.

d. Monthly rates and charges as specified in Section S10.2.6 for Digital Channel Capacity apply according to the requested channel capacity. These rates apply regardless of the number of digital channels that are actually activated by the customer at a point in time.

e. Rates and charges specified in other Tariff sections for services such as Touch Calling, GTE calling service features, etc., are in addition to the monthly rates for CONTROLINK[R] Digital Channel Service. (C)

f. The rates and charges for other services connected or extended beyond CONTROLINK[R] Digital Channel Service (i.e., off-premises stations and private lines, etc.) are in addition to the rates specified in this Tariff for the CONTROLINK[R] Digital Channel Service portion necessary to provide customer end-to-end service. This will also apply to Nonrecurring Charges and Service Connection Charges as specified in other Tariffs for activities involving the non-CONTROLINK[R] Digital Channel Service portion of the customer end-to-end service.

(D)

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK® Digital Channel Service (Continued)**

**S10.2.5 Application of Rates (Continued)**

g. Digital Channel Capacity is available under Term Payment Plans only for rate periods of 36 months, 60 months, or 84 months. All elements of a Term Payment Plan will expire at the same time (be coterminous).

(1) The customer may order additional Digital Channel Capacity(s) during a Term Payment Plan period. The expiration date of the additional capacity(s) will be the same expiration date as the original Term Payment Plan period.

(2) Service Activation charges are available on a month-to-month basis.

h. Termination Liability (C)

In the event CONTROLINK® Digital Channel Service is terminated by the customer prior to completion of the initial contract period, the customer shall be liable for early termination charges. (See General Regulations, Section S2.10) (C)

(D)

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.5 Application of Rates (Continued)**

g. Digital Channel Capacity is available under Term Payment Plans only for rate periods of 36 months, 60 months, or 84 months. All elements of a Term Payment Plan will expire at the same time (be coterminous).

(1) The customer may order additional Digital Channel Capacity(s) during a Term Payment Plan period. The expiration date of the additional capacity(s) will be the same expiration date as the original Term Payment Plan period.

(2) Service Activation charges are available on a month-to-month basis.

h. At the expiration date of the customer's selected Term Payment Plan period, the customer may continue service under a new Term Payment Plan or on a month-to-month basis at the expired payment plan rates. Rates for service under these options will be the current rates as specified in this Tariff.

i. A Termination Liability Charge will be applicable should the customer discontinue service prior to the end of the Term Payment Plan. This is subject to the following exemptions:

(1) No Termination Liability Charge will be applicable for the Digital Channel Capacity when the customer renegotiates a new Term Payment Plan for the same equipment or larger system at the same location for a period of time greater than the time remaining on the existing Term Payment Plan, subject to payment periods contained in S10.2.5.g.

(2) All CONTROLINK[R] Digital Channel Service Components are coterminous with the Digital Channel Capacity with which they are associated. Any activations subscribed to on a month-to-month basis have a minimum service period of one month and no associated Termination Liability Charge.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK® Digital Channel Service (Continued)**

**S10.2.5 Application of Rates (Continued)**

(D)

(D)

i. Should customers request interconnection between different CONTROLINK® Digital Channel Services provisioned in two or more different local serving offices, 1.544 Special Transport mileage as specified in Section S20.2 of this Tariff will apply. This charge will apply in addition to CONTROLINK® Digital Channel Service charges for each premises for which CONTROLINK® Digital Channel Service is provisioned. (T)

**S10.2.6 Rates and Charges**

a. 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 Channel Service are those listed below.

(a) Service Establishment Charge. This charge applies to the initial Digital Channel Capacity(s) ordered by a customer for receiving, recording and processing the request for service. This charge includes processing orders to establish initial Digital Channel and Service Activations. This charge includes common centralized testing, coordination and accounting activities.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.5 Application of Rates (Continued)**

j. A Termination Liability Charge will be calculated based on the sum of the monthly payments remaining under the customer's Term Payment Plan, adjusted to the net present value at the date of termination, based upon a 12% APR discount. The Termination Liability Charge is due in full at the date of termination.

k. Should customers request interconnection between different CONTROLINK[R] Digital Channel Services provisioned in two or more different local serving offices, 1.544 Special Transport mileage as specified in Section S20.2 of this Tariff will apply. This charge will apply in addition to CONTROLINK[R] Digital Channel Service charges for each premises for which CONTROLINK[R] Digital Channel Service is provisioned.

**S10.2.6 Rates and Charges**

a. 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 Channel Service are those listed below.

(a) Service Establishment Charge. This charge applies to the initial Digital Channel Capacity(s) ordered by a customer for receiving, recording and processing the request for service. This charge includes processing orders to establish initial Digital Channel and Service Activations. This charge includes common centralized testing, coordination and accounting activities.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.5 Application of Rates (Continued)**

a. (Continued)

(1) (Continued)

(b) Service Change Charge. This charge is applied per Digital Channel service payment plan and is associated with a customer request for modifications to an existing CONTROLINK[R] Digital Channel Service. This would include activities such as but not limited to:

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

(c) Installation of CONTROLINK® Digital Channel Service. These are nonrecurring charges associated with the work performed by the Company 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.

In addition to these charges, the appropriate Service Ordering Charge will apply.

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.6 Rates and Charges (Continued)**

a. (Continued)

(1) (Continued)

(d) Service Ordering Charges:

| | | Nonrecurring Charge | GSEC |
|---|---|---|---|
| 1. | Service Establishment Charge, per Digital Channel Service | $300.00 | DCSSEC1 |
| 2. | Service Change Charge, per Digital Channel Service, each (increment of 24 DS0 channels) | 175.00 | DCSSCC |
| 3. | Premises Visit Charge, per visit | Refer to Section S4.3 | - |

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK® Digital Channel Service (Continued)**

**S10.2.6 Rates and Charges (Continued)**

b. Digital Channel Capacity

The monthly and nonrecurring rates for Digital Channel Capacity without Activated Services are as follows:

(1) Per System

| | | GSEC | |
|---|---|---|---|
| 36 Months | | | |
| 1st DS1 Facility (24 DS0 Channels) | | | |
| Nonrecurring Charge | $ 250.00 | 24SC-IC | |
| Monthly Rate | 225.00 | 24SC36 | (R) |
| Each Additional DS1 Facility (24 DS0 Channels) | | | |
| Nonrecurring Charge | 250.00 | 24SC-IC | |
| Monthly Rate | 225.00 | 24SCA36 | (R) |
| DS3 Facility (28 DS1 Channels) | | | |
| 1-3 DS3 Facilities | | | |
| Nonrecurring Charge | 7,000.00 | 672SC-IC | |
| Monthly Rate | 3,000.00 | 672SC36 | (R) |
| 4 or more DS3 Facilities | ICB | | |
| 60 Months | | | |
| 1st DS1 Facility (24 DS0 Channels) | | | |
| Nonrecurring Charge | $ 250.00 | 24SC-IC | |
| Monthly Rate | 165.00 | 24SC60 | (R) |
| Each Additional DS1 Facility (24 DS0 Channels) | | | |
| Nonrecurring Charge | 250.00 | 24SC-IC | |
| Monthly Rate | 165.00 | 24SCA60 | (R) |
| DS3 Facility (28 DS1 Channels) | | | |
| 1-3 DS3 Facilities | | | |
| Nonrecurring Charge | 7,000.00 | 672SC-IC | |
| Monthly Rate | 2,500.00 | 672SC60 | (R) |
| 4 or more DS3 Facilities | ICB | | |

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.6 Rates and Charges (Continued)**

b. Digital Channel Capacity

The monthly and nonrecurring rates for Digital Channel Capacity without Activated Services are as follows:

(1) Per System

| 36 Months | | GSEC |
|---|---|---|
| 1st DS1 Facility (24 DS0 Channels) | | |
| Nonrecurring Charge | $ 250.00 | 24SC-IC |
| Monthly Rate | 260.00 | 24SC36 |
| Each Additional DS1 Facility (24 DS0 Channels) | | |
| Nonrecurring Charge | 250.00 | 24SC-IC |
| Monthly Rate | 240.00 | 24SCA36 |
| DS3 Facility (28 DS1 Channels) | | |
| 1-3 DS3 Facilities | | |
| Nonrecurring Charge | 7,000.00 | 672SC-IC |
| Monthly Rate | 3,400.00 | 672SC36 |
| 4 or more DS3 Facilities | ICB | |

| 60 Months | | |
|---|---|---|
| 1st DS1 Facility (24 DS0 Channels) | | |
| Nonrecurring Charge | $ 250.00 | 24SC-IC |
| Monthly Rate | 200.00 | 24SC60 |
| Each Additional DS1 Facility (24 DS0 Channels) | | |
| Nonrecurring Charge | 250.00 | 24SC-IC |
| Monthly Rate | 180.00 | 24SCA60 |
| DS3 Facility (28 DS1 Channels) | | |
| 1-3 DS3 Facilities | | |
| Nonrecurring Charge | 7,000.00 | 672SC-IC |
| Monthly Rate | 2,900.00 | 672SC60 |
| 4 or more DS3 Facilities | ICB | |

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## S10. DIGITAL NETWORK SERVICES

**S10.2** **CONTROLINK® Digital Channel Service (Continued)**

**S10.2.6** **Rates and Charges (Continued)**

b. Digital Channel Capacity (Continued)

(1) Per System (Continued)

| 84 Months | | GSEC | |
|---|---|---|---|
| 1st DS1 Facility (24 DS0 Channels) | | | |
| Nonrecurring Charge | $250.0 | 24SC-IC | |
| Monthly Rate | 140.00 | 24SC84 | (R) |
| Each Additional DS1 Facility (24 DS0 Channels) | | | |
| Nonrecurring Charge | 250.00 | 24SC-IC | |
| Monthly Rate | 140.00 | 24SCA84 | (R) |
| DS3 Facility (28 DS1 Channels) | | | |
| 1-3 DS3 Facilities | | | |
| Nonrecurring Charge | 7,000.00 | 672SC-IC | |
| Monthly Rate | 2,350.00 | 672SC84 | (R) |
| 4 or more DS3 Facilities | ICB | | |

c. Service Activations - Per Network Service

(1) Analog Service

| | | Monthly Rate | GSEC | |
|---|---|---|---|---|
| (a) | Access Line (Flat Rate Service) | $29.75 | SA B1 | (R) |
| | Access Line (Usage Sensitive Service) | 7.00 | SA B1USS | (R) |
| (b) | Automatic Access Line (Flat Rate Service) | 29.75 | SA TRK<br>SA DIDTRK<br>SA DODTRK | (R) |
| | Automatic Access Line (Usage Sensitive Service) | 7.00 | SA TRKUSS<br>SA DODTRKUSS | (R) |

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)** (N)

**S10.2.6 Rates and Charges (Continued)**

b. Digital Channel Capacity (Continued)

(1) Per System (Continued)

| 84 Months | | GSEC |
|---|---|---|
| 1st DS1 Facility (24 DS0 Channels) | | |
| Nonrecurring Charge | $250.0 | 24SC-IC |
| Monthly Rate | 160.00 | 24SC84 |
| Each Additional DS1 Facility | (24 DS0 Channels) | |
| Nonrecurring Charge | 250.00 | 24SC-IC |
| Monthly Rate | 150.00 | 24SCA84 |
| DS3 Facility (28 DS1 Channels) 1-3 DS3 Facilities | | |
| Nonrecurring Charge | 7,000.00 | 672SC-IC |
| Monthly Rate | 2,600.00 | 672SC84 |
| 4 or more DS3 Facilities | ICB | |

c. Service Activations - Per Network Service

(1) Analog Service

| | | Monthly Rate | GSEC |
|---|---|---|---|
| (a) | Access Line (Flat Rate Service) | $35.00 | SA B1 |
| | Access Line (Usage Sensitive Service) | 12.00 | SA B1USS |
| (b) | Automatic Access Line (Flat Rate Service) | 35.00 | SA TRK<br>SA DIDTRK<br>SA DODTRK |
| | Automatic Access Line (Usage Sensitive Service) | 12.00 | SA TRKUSS<br>SA DODTRKUSS |

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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)**

**S10.2.6 Rates and Charges (Continued)**

c. Service Activations - Per Network Service (Continued)

(1) Analog Service (Continued)

| | | Monthly Rate | GSEC | |
|---|---|---|---|---|
| (c) | CentraNet[R] Station Line | $ 7.00 | SA CN<br>SA CNUSS | (R) |
| (d) | Foreign Exchange | 15.00 | SA FX | (R) |
| (e) | Off-Premises Extension | 15.00 | SA XL | (R) |
| (f) | Private Line | 15.00 | SA 2VL,SA 2VJ,<br>SA 2DL, SA 2DJ,<br>SA 4DL, SA 4DJ,<br>SA 4VL, SA 4SVL,<br>SA 4VJ, SA 4SVJ,<br>SA SVL, SA SVJ | (R) |
| (g) | Tie Line | 15.00 | SA TL | (R) |
| (h) | WATS | 20.00 | SA 800<br>SA WATS | |

(2) Switched Digital Services

| | | | |
|---|---|---|---|
| (a) Switched Data1 | 11.00 | SWDSA<br>SWDSADID<br>SWDSACNT | |

(3) Digital Data Service

| | | | |
|---|---|---|---|
| (a) | 2.4 kbps | 30.00 | SA DDL, SA DDJ |
| (b) | 4.8 Kbps | 30.00 | SA DDL, SA DDJ |
| (c) | 9.6 Kbps | 30.00 | SA DDL, SA DDJ |
| (d) | 19.2 Kbps | 30.00 | SA DDL, SA DDJ |
| (e) | 56 Kbps | 30.00 | SA 56KJ, SA 56KL |
| (f) | 64 Kbps | 30.00 | SA 64KJ, SA 64KL |

(4) DS1 Service

| | | | |
|---|---|---|---|
| 1.544 Mbps | 75.00 | SA DS1J,SA DS1L<br>SA DS1INTER<br>SA DS1INTRA | |

Note 1: Network usage charges as specified in Section S10.1.6b. shall also apply.
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## S10. DIGITAL NETWORK SERVICES

**S10.2 CONTROLINK[R] Digital Channel Service (Continued)**

**S10.2.6 Rates and Charges (Continued)**

c. Service Activations - Per Network Service (Continued)

(1) Analog Service (Continued)

| | | Monthly Rate | GSEC | |
|---|---|---|---|---|
| (c) | CentraNet[R] Station Line | $ 12.00 | SA CN<br>SA CNUSS | |
| (d) | Foreign Exchange | 20.00 | SA FX | |
| (e) | Off-Premises Extension | 20.00 | SA XL | |
| (f) | Private Line | 20.00 | SA 2VL,SA 2VJ,<br>SA 2DL, SA 2DJ,<br>SA 4DL, SA 4DJ,<br>SA 4VL, SA 4SVL,<br>SA 4VJ, SA 4SVJ,<br>SA SVL, SA SVJ | |
| (g) | Tie Line | 20.00 | SA TL | |
| (h) | WATS | 20.00 | SA 800<br>SA WATS | (T) |

(2) Switched Digital Services (C)

| | | | |
|---|---|---|---|
| (a) Switched Data[1] | 11.00 | SWDSA<br>SWDSADID<br>SWDSACNT | (C) |

(3) Digital Data Service (T)

| | | | |
|---|---|---|---|
| (a) | 2.4 kbps | 30.00 | SA DDL, SA DDJ |
| (b) | 4.8 Kbps | 30.00 | SA DDL, SA DDJ |
| (c) | 9.6 Kbps | 30.00 | SA DDL, SA DDJ |
| (d) | 19.2 Kbps | 30.00 | SA DDL, SA DDJ |
| (e) | 56 Kbps | 30.00 | SA 56KJ, SA 56KL |
| (f) | 64 Kbps | 30.00 | SA 64KJ, SA 64KL |

(4) DS1 Service 1.544 Mbps (T)

| | | |
|---|---|---|
| | 75.00 | SA DS1J,SA DS1L<br>SA DS1INTER<br>SA DS1INTRA |

(N)

Note 1: Network usage charges as specified in Section S10.1.6b. shall also apply. (N)

[R] - Registered Trademark of GTE

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service** (N)

**10.3.1 General**

a. Frame Relay Service (FRS) is a data communications service that provides for data connectivity between/among widely distributed locations. This connectivity is provided via Permanent Virtual Circuit (PVC) connections implemented over access facilities utilizing a switch dedicated to high-speed data services.

b. FRS is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of PVCs. Each frame is passed to the Frame Relay network with an address that specifies the permanent virtual circuit.

c. Variable frame length capability is useful in communications between asynchronous Local Area Networks (LAN) and for transport of synchronous data traffic. FRS is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.

d. In operation of FRS, Customer Premises Equipment (CPE), such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The CPE then sends the frame into the Frame Relay network. The Frame Relay switch reads identifying information and routes the frame to the proper destination based on a pre-established PVC path.

e. The statistical multiplexing Frame Relay switches are able to provide shared network resources to end users of this service.

f. The Committed Information Rate (CIR) and Excess Burst Size B(e) are traffic management parameters that allow the customer to fine tune implementation of FRS.

g. FRS, as provided for in this tariff, is offered for intrastate use only. (N)

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## S10. DIGITAL NETWORK SERVICES

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Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

### S10.3 Frame Relay Service (N)

#### S10.3.1 General

a. Frame Relay Service (FRS) is a "fast packet" network service that permits the transmission of data at speeds from 56 Kbps to 1.544 Mbps using Permanent Virtual Circuits (PVCs).

b. Permanent Virtual Circuits (PVCs) are logical circuits that define a specific one-way path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple PVCs to be defined over a single access line, thereby providing a single access line the capability to transmit data to multiple destinations.

c. In the operation of Frame Relay Service, Customer Premises Equipment (CPE), such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The CPE then sends the frame into the Frame Relay network. The Frame Relay switch reads identifying information and routes the frame to the proper destination based on a pre-established PVC.

d. The statistical multiplexing Frame Relay switches are able to provide shared network resources to end users of this service.

e. Frame Relay Service conforms to Consultative Committee for International Telegraph and Telephone (CCITT) and American National Standards Institute (ANSI) standards set forth in technical publications listed in this tariff under Reference to Technical Publications.

f. Frame Relay Service, as provided for in this Tariff section, is offered for intraLATA use only.

g. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this Tariff.

h. The rates and charges set forth for Frame Relay Service provide for the furnishing of service where suitable facilities are available. (N)

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## S10. DIGITAL NETWORK SERVICES

### S10.3 Frame Relay Service (N)

#### S10.3.1 General

a. Frame Relay Service (FRS) is a "fast packet" network service that permits the transmission of data at speeds from 56 Kbps to 1.544 Mbps using Permanent Virtual Circuits (PVCs).

b. Permanent Virtual Circuits (PVCs) are logical circuits that define a specific one-way path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple PVCs to be defined over a single access line, thereby providing a single access line the capability to transmit data to multiple destinations.

c. In the operation of Frame Relay Service, Customer Premises Equipment (CPE), such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The CPE then sends the frame into the Frame Relay network. The Frame Relay switch reads identifying information and routes the frame to the proper destination based on a pre-established PVC.

d. The statistical multiplexing Frame Relay switches are able to provide shared network resources to end users of this service.

e. Frame Relay Service conforms to Consultative Committee for International Telegraph and Telephone (CCITT) and American National Standards Institute (ANSI) standards set forth in technical publications listed in this tariff under Reference to Technical Publications.

f. Frame Relay Service, as provided for in this Tariff section, is offered for intraLATA use only.

g. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this Tariff.

h. The rates and charges set forth for Frame Relay Service provide for the furnishing of service where suitable facilities are available.

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## S10. DIGITAL NETWORK SERVICES

### S10.3 Frame Relay Service (N)

#### S10.3.1 General

a. Frame Relay Service (FRS) is a "fast packet" network service that permits the transmission of data at speeds from 56 Kbps to 1.544 Mbps using Permanent Virtual Circuits (PVCs).

b. Permanent Virtual Circuits (PVCs) are logical circuits that define a specific one-way path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple PVCs to be defined over a single access line, thereby providing a single access line the capability to transmit data to multiple destinations.

c. In the operation of Frame Relay Service, Customer Premises Equipment (CPE), such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The CPE then sends the frame into the Frame Relay network. The Frame Relay switch reads identifying information and routes the frame to the proper destination based on a pre-established PVC.

d. The statistical multiplexing Frame Relay switches are able to provide shared network resources to end users of this service.

e. Frame Relay Service conforms to Consultative Committee for International Telegraph and Telephone (CCITT) and American National Standards Institute (ANSI) standards set forth in technical publications listed in this tariff under Reference to Technical Publications.

f. Frame Relay Service, as provided for in this Tariff section, is offered for intraLATA use only.

g. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this Tariff.

h. The rates and charges set forth for Frame Relay Service provide for the furnishing of service where suitable facilities are available. (N)

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.1 Regulations**

a. Explanation of Terms

In addition to the definitions in Section 1 of this tariff, the following definitions apply:

Committed Information Rate (CIR) - The maximum information rate at which customer traffic will be admitted to the network without being designated eligible for discard.

Customer Designated Location (CDL) - The geographic location designated by the customer at which an access component of the customer's service is first considered to enter the Utility's network.

Data Link Connection Identifier (DLCI) - The Frame Relay virtual circuit number corresponding to a particular destination which is part of the frame relay header and is usually ten bits long.

Excess Burst Size B(e) - The data rate above the Committed Information Rate (CIR), but less than the port size, at which customer data will be admitted to the Frame Relay network. All Excess Burst data B(e) admitted to the network will be designated as eligible for discard.

Frame - A group of data bits, in a specific format, with a flag at either end to indicate the beginning and end of the frame. The defined format enables network equipment to recognize the meaning and purpose of specific bits.

Frame Relay Service - A connection oriented fast packet network service that permits the transmission of data at speeds of 56 Kbps to 44.736 Mbps using Permanent Virtual Connections (PVCs).

Local Area Network (LAN) - A network permitting the interconnection of multiple computers, typically within a single building or campus.

Logical Channel - A communications channel that allows two-way simultaneous transmission of data packets through the network. Capacity is made available as the data is transmitted. Each permanent virtual circuit is one logical channel. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations**

a. Explanation of Terms

Customer Designated Location (CDL) - The geographic location designated by the customer at which an access component of the customer's service is first considered to enter the Company's network.

Frame - A sequence of contiguous bits delimited by beginning and ending flag sequences.

Frame Relay Access Line (FRAL) - Frame Relay Access Lines provide access to the Frame Relay Service (FRS) Network, connecting customer facilities at the Network Interface with a corresponding Frame Relay Port.

Local Area Network (LAN) - A network permitting the interconnection and intercommunication of a group of computers, primarily for the sharing of resources such as data storage devices and printers.

Logical Channel - A communications channel through the network that allows simultaneous transmission of sequenced data packets through the network.

Network Interface (NI) - The point at which a customer's data transmission first enters the network supporting Frame Relay Service is the Network Interface (NI). It is the point of interconnection between Company communications facilities and customer terminal equipment.

Permanent Virtual Connection (PVC) - A Permanent Virtual Connection (PVC) is a logical channel from one Frame Relay Port to another Frame Relay Port within the Frame Relay Service (FRS) Network. PVCs are provisioned on either 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps ports, depending on the customer's data networking requirements. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations**

a. Explanation of Terms

Customer Designated Location (CDL) - The geographic location designated by the customer at which an access component of the customer's service is first considered to enter the Company's network.

Frame - A sequence of contiguous bits delimited by beginning and ending flag sequences.

Frame Relay Access Line (FRAL) - Frame Relay Access Lines provide access to the Frame Relay Service (FRS) Network, connecting customer facilities at the Network Interface with a corresponding Frame Relay Port.

Local Area Network (LAN) - A network permitting the interconnection and intercommunication of a group of computers, primarily for the sharing of resources such as data storage devices and printers.

Logical Channel - A communications channel through the network that allows simultaneous transmission of sequenced data packets through the network.

Network Interface (NI) - The point at which a customer's data transmission first enters the network supporting Frame Relay Service is the Network Interface (NI). It is the point of interconnection between Company communications facilities and customer terminal equipment.

Permanent Virtual Connection (PVC) - A Permanent Virtual Connection (PVC) is a logical channel from one Frame Relay Port to another Frame Relay Port within the Frame Relay Service (FRS) Network. PVCs are provisioned on either 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps ports, depending on the customer's data networking requirements. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations**

a. Explanation of Terms

Customer Designated Location (CDL) - The geographic location designated by the customer at which an access component of the customer's service is first considered to enter the Company's network.

Frame - A sequence of contiguous bits delimited by beginning and ending flag sequences.

Frame Relay Access Line (FRAL) - Frame Relay Access Lines provide access to the Frame Relay Service (FRS) Network, connecting customer facilities at the Network Interface with a corresponding Frame Relay Port.

Local Area Network (LAN) - A network permitting the interconnection and intercommunication of a group of computers, primarily for the sharing of resources such as data storage devices and printers.

Logical Channel - A communications channel through the network that allows simultaneous transmission of sequenced data packets through the network.

Network Interface (NI) - The point at which a customer's data transmission first enters the network supporting Frame Relay Service is the Network Interface (NI). It is the point of interconnection between Company communications facilities and customer terminal equipment.

Permanent Virtual Connection (PVC) - A Permanent Virtual Connection (PVC) is a logical channel from one Frame Relay Port to another Frame Relay Port within the Frame Relay Service (FRS) Network. PVCs are provisioned on either 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps ports, depending on the customer's data networking requirements. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed.

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.1 Regulations**

a. Explanation of Terms (Continued)

Maximum Burst Rate (MBR) - The maximum information rate at which customer traffic will be admitted to the network. Traffic rates in excess of MBR will automatically be discarded on ingress to the network. The Maximum Burst Rate is equal to the sum of the Committed Information Rate (CIR) and Excess Burst Size B(e).

Network-to-Network Interface (NNI) – A standard interface used to connect two frame relay services, and includes elements such as bi-directional polling to assist the network services providers in gaining information on the status of the networks being connected.

Permanent Virtual Circuit (PVC) - A logical channel, defined in software, that establishes a path from one customer port to another.

Port - The entry point on the switch to which the customer is connected. Ports are available which allow connection to the Frame Relay network at speeds of 56 Kbps to 44.736 Mbps.

Statistical Multiplexing - A multiplexing technique in which time slots are dynamically allocated on the basis of need rather than being predetermined. The data is typically transmitted on a first come, first served basis.

User-to-Network Interface (UNI) - A standard interface used to connect the end user to the Frame Relay Service network. It receives the data frame from the customer's Local Area Network (LAN) or other customer-provided equipment (CPE) devices and verifies that the Data Link Connection Identifier (DLCI) is valid before relaying the frame to the destination end point. The DLCI is a Frame Relay term defining a 10-bit filed of the address field, and it identifies data links and their service parameters. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations (Continued)**

a. Explanation of Terms (Continued)

Permanent Virtual Connection (PVC) (Continued)

The PVC must be associated with at least one Frame Relay Port. A customer must subscribe to at least one Frame Relay Port. A Frame Relay Port can be associated with any number of PVCs. Since all PVCs need not be in use at the same time, it is possible for the total bandwidth of all PVCs associated with one Frame Relay Port to exceed the bandwidth of that Frame Relay Port. Such a relationship is referred to as over-subscription and when this occurs, there can be no guarantee that the bandwidth defined for that PVC will be available at any point in time.

If the information provided by the Customer on the requested PVCs results in an interstate arrangement, the PVC falls under federal jurisdiction and the PVC CIR capacity as specified in the Company's FCC No. 1 Tariff apply.

No PVC can have a greater bit rate than the bit rate of the associated Frame Relay Port.

The Frame Relay access line and port may be ordered and billed separately from the PVC. This allows multiple party networks to be created. The party subscribing to the port and access line is the Controller of their Frame Relay service. A separate entity may subscribe, with the written authorization of the Controller, to a PVC which allows communication between the entities. A disconnect of a PVC, however, does not result in the disconnect of the underlying access line and port. Only the Controller of the service may order the disconnect of the access line and port. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations (Continued)**

a. Explanation of Terms (Continued)

Permanent Virtual Connection (PVC) (Continued)

The PVC must be associated with at least one Frame Relay Port. A customer must subscribe to at least one Frame Relay Port. A Frame Relay Port can be associated with any number of PVCs. Since all PVCs need not be in use at the same time, it is possible for the total bandwidth of all PVCs associated with one Frame Relay Port to exceed the bandwidth of that Frame Relay Port. Such a relationship is referred to as over-subscription and when this occurs, there can be no guarantee that the bandwidth defined for that PVC will be available at any point in time.

No PVC can have a greater bit rate than the bit rate of the associated Frame Relay Port.

The Frame Relay access line and port may be ordered and billed spearately from the PVC. This allows multiple party networks to be created. The party subscribing to the port and access line is the Controller of their Frame Relay service. A separate entity may subscribe, with the written authorization of the Controller, to a PVC which allows communication between the entities. A disconnect of a PVC, however, does not result in the disconnect of the underlying access line and port. Only the Controller of the service may order the disconnect of the access line and port. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations (Continued)**

a. Explanation of Terms (Continued)

Permanent Virtual Connection (PVC) (Continued)

The PVC must be associated with at least one Frame Relay Port. A customer must subscribe to at least one Frame Relay Port. A Frame Relay Port can be associated with any number of PVCs. Since all PVCs need not be in use at the same time, it is possible for the total bandwidth of all PVCs associated with one Frame Relay Port to exceed the bandwidth of that Frame Relay Port. Such a relationship is referred to as over-subscription and when this occurs, there can be no guarantee that the bandwidth defined for that PVC will be available at any point in time.

If the information provided by the Customer on the requested PVCs results in an interstate arrangement, the PVC falls under federal jurisdiction and the PVC CIR capacity as specified in the Company's FCC No. 1 Tariff apply.

No PVC can have a greater bit rate than the bit rate of the associated Frame Relay Port.

The Frame Relay access line and port may be ordered and billed separately from the PVC. This allows multiple party networks to be created. The party subscribing to the port and access line is the Controller of their Frame Relay service. A separate entity may subscribe, with the written authorization of the Controller, to a PVC which allows communication between the entities. A disconnect of a PVC, however, does not result in the disconnect of the underlying access line and port. Only the Controller of the service may order the disconnect of the access line and port. (N)

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.2 Regulations**

b. Service Components

The major components of FRS are:

User-to-Network Interface (UNI) Port and Access Line
Port Only
- UNI Port Only
- Private Network-to-Network (NNI) Port Only

Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)
Backup UNI (N)

1. User-to-Network Interface (UNI) Port and Access Line - The UNI Port and Access Line forms the component which provides the customer access to the customer's serving wire center and interoffice transport from the customer's serving wire center to the Frame Relay switch. The UNI Port and Access Line is provided for use only with FRS and where facilities and conditions permit.

2. Port Only - Customers may access Port Only connections via Company-provided digital access facilities or via facilities provided by another carrier. The channel speed of the access channel must be sufficient to accommodate the Frame Relay port speed. When access facilities are provided by the Company, the associated regulations, rates and charges under the appropriate Company tariff shall apply in addition to the regulations, rates and charges associated with FRS. Company-provided access facilities may also be provisioned on an Individual Case Basis (ICB) where access facilities are not generally available under the applicable tariff. Interconnection charges to connect access line services provided by the Company or another carrier may apply and will be billed separately. Any special construction or nonstandard charges assessed by the carrier supplying the access facilities will be the responsibility of the customer.

   (a) UNI Port Only - The UNI Port Only provides for a user to carrier connection (i.e., end user customer to the Company).

   (b) Private Network-to-Network (NNI) Port Only - The Private NNI port configuration is used for connecting two networks together for bi-directional messaging and is available on a private basis only. A Private NNI is a NNI port sold for the exclusive use of the customer.

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.2 Regulations**

b. Service Components

The major components of FRS are:

User-to-Network Interface (UNI) Port and Access Line
Port Only
- UNI Port Only
- Private Network-to-Network (NNI) Port Only

Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)

1. User-to-Network Interface (UNI) Port and Access Line - The UNI Port and Access Line forms the component which provides the customer access to the customer's serving wire center and interoffice transport from the customer's serving wire center to the Frame Relay switch. The UNI Port and Access Line is provided for use only with FRS and where facilities and conditions permit.

2. Port Only - Customers may access Port Only connections via Company-provided digital access facilities or via facilities provided by another carrier. The channel speed of the access channel must be sufficient to accommodate the Frame Relay port speed. When access facilities are provided by the Company, the associated regulations, rates and charges under the appropriate Company tariff shall apply in addition to the regulations, rates and charges associated with FRS. Company-provided access facilities may also be provisioned on an Individual Case Basis (ICB) where access facilities are not generally available under the applicable tariff. Interconnection charges to connect access line services provided by the Company or another carrier may apply and will be billed separately. Any special construction or nonstandard charges assessed by the carrier supplying the access facilities will be the responsibility of the customer.

   (a) UNI Port Only - The UNI Port Only provides for a user to carrier connection (i.e., end user customer to the Company).

   (b) Private Network-to-Network (NNI) Port Only - The Private NNI port configuration is used for connecting two networks together for bi-directional messaging and is available on a private basis only. A Private NNI is a NNI port sold for the exclusive use of the customer. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations (Continued)**

a. Explanation of Terms (Continued)

Port - In Frame Relay Service (FRS), ports are the physical entry points for Access Lines and the originating and terminating points for Permanent Virtual Connections (PVCs). Ports include the electronic equipment used in connecting these service elements to the FRS Network. Ports enable customers to access the Frame Relay network at customer-designated transmission speeds of 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps.

Protocol - A set of conditions for conducting interactions between two or more terminals, host or peripherals. These conditions consist of syntax (header structure), semantics (actions and reactions that are supposed to occur) and timing (relative ordering and duration of states and events).

Statistical Multiplexing - A multiplexing technique in which timeslots are dynamically allocated on the basis of need rather than being predefined. The data is typically transmitted on a first come, first served basis.

Virtual Circuit - A logical transmission channel established to a network address. The logical channel exists for a period of time until either end of the channel terminates the transmission.

b. Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of assigned virtual connections. Each frame is passed to the Frame Relay Network with an address that specifies the virtual connection.

c. Variable frame length capability is useful in communications between asynchronous Local Area Networks (LAN) and for transport of synchronous data traffic. Frame Relay is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.

d. Frame Relay service is available with a Port and Access Line or on a Port Only basis. In addition, one or more PVC's are required to establish communications paths between Customer ports. When purchased as a Port Only service, the Company may setup access arrangements on behalf of the Customer. Access facilities arranged by the Company will be billed at rates provided by the underlying carrier. Any special construction or non-standard charges assessed by carrier supplying the local access will also be the responsibility of the Customer.

e. The Company does not undertake to originate data, but offers the use of its service components, where available, to Customers for the purpose of transporting Customer-originated data. (N)

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SOUTH CAROLINA
ISSUED: November 13, 2001 EFFECTIVE: December 1, 2001
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations (Continued)**

a. Explanation of Terms (Continued)

Port - In Frame Relay Service (FRS), ports are the physical entry points for Access Lines and the originating and terminating points for Permanent Virtual Connections (PVCs). Ports include the electronic equipment used in connecting these service elements to the FRS Network. Ports enable customers to access the Frame Relay network at customer-designated transmission speeds of 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps.

Protocol - A set of conditions for conducting interactions between two or more terminals, host or peripherals. These conditions consist of syntax (header structure), semantics (actions and reactions that are supposed to occur) and timing (relative ordering and duration of states and events).

Statistical Multiplexing - A multiplexing technique in which timeslots are dynamically allocated on the basis of need rather than being predefined. The data is typically transmitted on a first come, first served basis.

Virtual Circuit - A logical transmission channel established to a network address. The logical channel exists for a period of time until either end of the channel terminates the transmission.

b. Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of assigned virtual connections. Each frame is passed to the Frame Relay Network with an address that specifies the virtual connection.

f. Variable frame length capability is useful in communications between asynchronous Local Area Networks (LAN) and for transport of synchronous data traffic. Frame Relay is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.

g. Frame Relay service is available with a Port and Access Line or on a Port Only basis. In addition, one or more PVC's are required to establish communications paths between Customer ports. When purchased as a Port Only service, the Company may setup access arrangements on behalf of the Customer. Access facilities arranged by the Company will be billed at rates provided by the underlying carrier. Any special construction or non-standard charges assessed by carrier supplying the local access will also be the responsibility of the Customer.

h. The Company does not undertake to originate data, but offers the use of its service components, where available, to Customers for the purpose of transporting Customer-originated data. (N)

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SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

Original Page 33

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations (Continued)**

a. Explanation of Terms (Continued)

Port - In Frame Relay Service (FRS), ports are the physical entry points for Access Lines and the originating and terminating points for Permanent Virtual Connections (PVCs). Ports include the electronic equipment used in connecting these service elements to the FRS Network. Ports enable customers to access the Frame Relay network at customer-designated transmission speeds of 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps.

Protocol - A set of conditions for conducting interactions between two or more terminals, host or peripherals. These conditions consist of syntax (header structure), semantics (actions and reactions that are supposed to occur) and timing (relative ordering and duration of states and events).

Statistical Multiplexing - A multiplexing technique in which timeslots are dynamically allocated on the basis of need rather than being predefined. The data is typically transmitted on a first come, first served basis.

Virtual Circuit - A logical transmission channel established to a network address. The logical channel exists for a period of time until either end of the channel terminates the transmission.

b. Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of assigned virtual connections. Each frame is passed to the Frame Relay Network with an address that specifies the virtual connection.

c. Variable frame length capability is useful in communications between asynchronous Local Area Networks (LAN) and for transport of synchronous data traffic. Frame Relay is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.2 Regulations (Continued)**

b. Service Components (Continued)

3. Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)

(a) Permanent Virtual Circuits (PVCs) are logical circuits that define a specific path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple paths (PVCs) to be defined on any given port, thereby providing a single access line the capability to transmit data to multiple destinations.

(b) Since multiple PVCs may be defined on one physical port, it is possible for the cumulative Committed Information Rates (CIRs) to exceed the physical bandwidth of that port. This is referred to as over-subscription and when this occurs, the aggregate CIR defined for that port and PVC will not be available at any point in time.

(c) The following types of PVC CIR are available:

(1) Intrazone - An Intrazone PVC is a logical channel path between two customer Frame Relay ports within the same zone. Frame Relay zones are found in 10.3.7 a. 5. following.

(2) Multi-jurisdictional - A Multi-jurisdictional PVC is a logical channel path between two customer Frame Relay ports, one being an interstate port and the other an intrastate port both located within the same Frame Relay zone. A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

(3) Public NNI – A Public NNI PVC is a logical channel path between a customer Frame Relay port and a Public NNI port, both located within the same Frame Relay zone. A Public NNI Port is a Frame Relay Port provided to serve multiple users and is owned and controlled by the Company.

4. PVC Optional Features (N)

(a) Frame Relay to ATM Service Interworking – Frame Relay to ATM Service Interworking provides for the conversion of Frame Relay packets to ATM cells and the conversion of ATM cells to Frame Relay Packets. Frame Relay to ATM Service interworking is available with Intrazone and Multi-jurisdictional PVC CIR at no additional charge. (N)

* Some material previously appearing on this Page now appears on Page 35. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.2 Regulations (Continued)**

b. Service Components (Continued)

3. Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)

(a) Permanent Virtual Circuits (PVCs) are logical circuits that define a specific path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple paths (PVCs) to be defined on any given port, thereby providing a single access line the capability to transmit data to multiple destinations.

(b) Since multiple PVCs may be defined on one physical port, it is possible for the cumulative Committed Information Rates (CIRs) to exceed the physical bandwidth of that port. This is referred to as over-subscription and when this occurs, the aggregate CIR defined for that port and PVC will not be available at any point in time.

(c) The following types of PVC CIR are available:

(1) Intrazone - An Intrazone PVC is a logical channel path between two customer Frame Relay ports within the same zone. Frame Relay zones are found in 10.3.7 a. 5. following.

(2) Multi-jurisdictional - A Multi-jurisdictional PVC is a logical channel path between two customer Frame Relay ports, one being an interstate port and the other an intrastate port both located within the same Frame Relay zone. A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

(3) Public NNI – A Public NNI PVC is a logical channel path between a customer Frame Relay port and a Public NNI port, both located within the same Frame Relay zone. A Public NNI Port is a Frame Relay Port provided to serve multiple users and is owned and controlled by the Company.

4. Backup UNI (N)

Backup UNI service is a disaster avoidance and disaster recovery feature that consists of a Primary UNI and a Backup UNI, and incorporates PVC remapping capabilities of the Frame Relay network. The Primary UNI is terminated at the primary customer host location and in normal operation serves PVCs between the primary host location and various customer remote locations. A second UNI, which is designated by the customer as a Backup UNI, is installed and terminated at the customer's backup host location. During normal operations no PVCs are mapped to the Backup UNI. The customer will be required to purchase both UNIs. In the event of a Primary UNI, primary digital access line or, customer primary host location failure, the predefined PVC configuration can be remapped to the Backup UNI at the customer's request. Upon restoral of the Primary UNI service the customer must contact the Company to initiate remapping of PVCs from the Backup UNI back to the Primary UNI. A Backup UNI, which may serve as a backup to one or more Primary UNIs, can only backup one Primary UNI at a time. A Backup UNI must be the same port speed or greater than the Primary UNI(s). (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.2 Regulations (Continued)**

b. Service Components (Continued)

3. Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)

(a) Permanent Virtual Circuits (PVCs) are logical circuits that define a specific path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple paths (PVCs) to be defined on any given port, thereby providing a single access line the capability to transmit data to multiple destinations.

(b) Since multiple PVCs may be defined on one physical port, it is possible for the cumulative Committed Information Rates (CIRs) to exceed the physical bandwidth of that port. This is referred to as over-subscription and when this occurs, the aggregate CIR defined for that port and PVC will not be available at any point in time.

(c) The following types of PVC CIR are available:

(1) Intrazone - An Intrazone PVC is a logical channel path between two customer Frame Relay ports within the same zone. Frame Relay zones are found in 10.3.7 a. 5. following.

(2) Multi-jurisdictional - A Multi-jurisdictional PVC is a logical channel path between two customer Frame Relay ports, one being an interstate port and the other an intrastate port both located within the same Frame Relay zone. A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

(3) Public NNI – A Public NNI PVC is a logical channel path between a customer Frame Relay port and a Public NNI port, both located within the same Frame Relay zone. A Public NNI Port is a Frame Relay Port provided to serve multiple users and is owned and controlled by the Company. (N)

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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SOUTH CAROLINA
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Durham, North Carolina

1st Revised Page 34

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## S10. DIGITAL NETWORK SERVICES

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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.3 Obligations of the Customer**

a. The customer's Frame Relay compatible terminal equipment has the responsibility for error correction. Frame Relay Service (FRS) nodes may discard frames with errors and may discard frames when the network supporting FRS is in a state of congestion.

b. Where Frame Relay Service is available for use in connection with communications systems or equipment provided by a customer or user, the operating characteristics of such systems or equipment shall be such as not to interfere with any services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer or user does not endanger the safety of the Company's employees or the public; damage, harm, require change in or alteration of the equipment or other services of the Company; interfere with the proper operation of the Company's equipment or otherwise injure the public in its use of the Company's services. Upon notice from Verizon South Inc. that the equipment provided by the customer or user is causing, or is likely to cause, such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.

c. The customer, upon request, shall furnish such information as may be required to permit the Company to design and maintain the Frame Relay Service it offers and to assure that the service arrangement is in compliance with the regulations contained herein. (N)

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.2 Regulations (Continued)**

d. Frame Relay service is available with a Port and Access Line or on a Port Only basis. In addition, one or more PVC's are required to establish communications paths between customer ports. When purchased as a Port Only service, access to the network is provided via other tariffed digital services (i.e., DCS).

e. GTE South does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer-originated data.

**S10.3.3 Obligations of the Customer**

a. The customer's Frame Relay compatible terminal equipment has the responsibility for error correction. Frame Relay Service (FRS) nodes may discard frames with errors and may discard frames when the network supporting FRS is in a state of congestion.

b. Where Frame Relay Service is available for use in connection with communications systems or equipment provided by a customer or user, the operating characteristics of such systems or equipment shall be such as not to interfere with any services offered by GTE South. Such use is subject to the further provisions that the equipment provided by the customer or user does not endanger the safety of GTE South employees or the public; damage, harm, require change in or alteration of the equipment or other services of GTE South; interfere with the proper operation of GTE South's equipment or otherwise injure the public in its use of GTE South services. Upon notice from GTE South that the equipment provided by the customer or user is causing, or is likely to cause, such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference. (N)

VERIZON SOUTH INC. Original Page 34
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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.3 Obligations of the Customer**

a. The customer's Frame Relay compatible terminal equipment has the responsibility for error correction. Frame Relay Service (FRS) nodes may discard frames with errors and may discard frames when the network supporting FRS is in a state of congestion.

c. Where Frame Relay Service is available for use in connection with communications systems or equipment provided by a customer or user, the operating characteristics of such systems or equipment shall be such as not to interfere with any services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer or user does not endanger the safety of the Company's employees or the public; damage, harm, require change in or alteration of the equipment or other services of the Company; interfere with the proper operation of the Company's equipment or otherwise injure the public in its use of the Company's services. Upon notice from Verizon South Inc. that the equipment provided by the customer or user is causing, or is likely to cause, such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.

c. The customer, upon request, shall furnish such information as may be required to permit the Company to design and maintain the Frame Relay Service it offers and to assure that the service arrangement is in compliance with the regulations contained herein. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.2 Regulations**

b. Service Components (Continued)

5. Backup UNI (Continued) (M)(T)

Backup UNI service is a disaster avoidance and disaster recovery feature that consists of a Primary UNI and a Backup UNI, and incorporates PVC remapping capabilities of the Frame Relay network. The Primary UNI is terminated at the primary customer host location and in normal operation serves PVCs between the primary host location and various customer remote locations. A second UNI, which is designated by the customer as a Backup UNI, is installed and terminated at the customer's backup host location. During normal operations no PVCs are mapped to the Backup UNI. The customer will be required to purchase both UNIs. In the event of a Primary UNI, primary digital access line or, customer primary host location failure, the predefined PVC configuration can be remapped to the Backup UNI at the customer's request. Upon restoral of the Primary UNI service the customer must contact the Company to initiate remapping of PVCs from the Backup UNI back to the Primary UNI. A Backup UNI, which may serve as a backup to one or more Primary UNIs, can only backup one Primary UNI at a time. A Backup UNI must be the same port speed or greater than the Primary UNI(s). (M)

(c) Technical Specifications

FRS conforms to the transmission specification standards in the following references:

ANSI T1.602 Integrated Services Digital Network (ISDN) – Data Link Layer Signaling Specification for Application at the User-Network Interface – Issued 1989

ANSI T1.606 Frame Relay Bearer Service, Architectural Framework and Service Description – Issued 1990

ANSI T1.617 Integrated Services Digital Network (ISDN) – Digital Subscriber Signaling Specification for Frame Relay Bearer Service – Issued 1991

ANSI T1.618 Integrated Services Digital Network (ISDN) – Core Aspects of Frame Relay Bearer Service – Issued 1991

* Some material now appearing on this Page previously appeared on Page 34. (N)
* Some material previously appearing on this Page now appears on Page 36. (N)

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SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.2 Regulations**

(c) Technical Specifications

FRS conforms to the transmission specification standards in the following references:

ANSI T1.602 Integrated Services Digital Network (ISDN) – Data Link Layer Signaling Specification for Application at the User-Network Interface – Issued 1989

ANSI T1.606 Frame Relay Bearer Service, Architectural Framework and Service Description – Issued 1990

ANSI T1.617 Integrated Services Digital Network (ISDN) – Digital Subscriber Signaling Specification for Frame Relay Bearer Service – Issued 1991

ANSI T1.618 Integrated Services Digital Network (ISDN) – Core Aspects of Frame Relay Bearer Service – Issued 1991

(d) Service Provisioning

1. FRS is available where facilities and conditions permit.

2. FRS is provided to the customer in the form of the UNI Port and Access Line, UNI Port Only, Private NNI Port Only and CIR based PVCs. The UNI Port and Access Line forms the local access component to the customer's serving central office. The UNI Port Only and Private NNI Port Only include the electronic equipment necessary to interface the access line to the Frame Relay switch.

3. PVCs are provisioned on a specified speed and CIR basis, depending upon the customer's request. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed.

4. The maximum CIR allowed is determined by the lower of the two port speeds connected by the PVC. The maximum CIR allowed for port speeds at 1.536 Mbps and below is 75% of the lower of the two port speeds. For port speeds above 1.536 Mbps to 44.7136 Mbps, the maximum CIR allowed is 50% of the lower of the two port speeds.

5. The PVC must be associated with at least one Frame Relay port. A Frame Relay port can be associated with multiple PVCs. (N)

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SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.3 Obligations of the Customer (Continued)**

d. It shall be the responsibility of the customer to ensure the continuing compatibility of the customer-provided equipment that is used in conjunction with the Frame Relay Service. The CPE shall be in compliance with rules and regulations as specified in Section S15 of this tariff.

e. The customer shall be responsible for obtaining permission for Company agents or employees to enter the premises of the customer at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Company.

f. The customer shall be responsible for the payment of a nonrecurring Maintenance of Service Charge as found in Section S4.7 of this Tariff for each repair visit to a premises of the customer or the premises of any other customer where the service difficulty or trouble results from the use of equipment or service components provided by the customer.

g. The Customer may only use a Frame Relay Access Line with Frame Relay Service. (N)

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.3 Obligations of the Customer (Continued)**

d. It shall be the responsibility of the customer to ensure the continuing compatibility of the customer-provided equipment that is used in conjunction with the Frame Relay Service. The CPE shall be in compliance with rules and regulations as specified in Section S15 of this tariff.

e. The customer shall be responsible for obtaining permission for Company agents or employees to enter the premises of the customer at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Company.

f. The customer shall be responsible for the payment of a nonrecurring Maintenance of Service Charge as found in Section S4.7 of this Tariff for each repair visit to a premises of the customer or the premises of any other customer where the service difficulty or trouble results from the use of equipment or service components provided by the customer.

g. The Customer may only use a Frame Relay Access Line with Frame Relay Service. (N)

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.3 Obligations of the Customer (Continued)**

c. The customer, upon request, shall furnish such information as may be required to permit GTE South to design and maintain the Frame Relay Service it offers and to assure that the service arrangement is in compliance with the regulations contained herein.

d. It shall be the responsibility of the customer to ensure the continuing compatibility of the customer-provided equipment that is used in conjunction with the Frame Relay Service. The CPE shall be in compliance with rules and regulations as specified in Section S15 of this tariff.

e. The customer shall be responsible for obtaining permission for GTE South agents or employees to enter the premises of the customer at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of GTE South.

f. The customer shall be responsible for the payment of a nonrecurring Maintenance of Service Charge as found in Section S4.7 of this Tariff for each repair visit to a premises of the customer or the premises of any other customer where the service difficulty or trouble results from the use of equipment or service components provided by the customer.

g. The Customer may only use a Frame Relay Access Line with Frame Relay Service. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.2 Regulations**

(d) Service Provisioning (T)

1. FRS is available where facilities and conditions permit. (M)

2. FRS is provided to the customer in the form of the UNI Port and Access Line, UNI Port Only, Private NNI Port Only and CIR based PVCs. The UNI Port and Access Line forms the local access component to the customer's serving central office. The UNI Port Only and Private NNI Port Only include the electronic equipment necessary to interface the access line to the Frame Relay switch.

3. PVCs are provisioned on a specified speed and CIR basis, depending upon the customer's request. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed.

4. The maximum CIR allowed is determined by the lower of the two port speeds connected by the PVC. The maximum CIR allowed for port speeds at 1.536 Mbps and below is 75% of the lower of the two port speeds. For port speeds above 1.536 Mbps to 44.7136 Mbps, the maximum CIR allowed is 50% of the lower of the two port speeds.

5. The PVC must be associated with at least one Frame Relay port. A Frame Relay port can be associated with multiple PVCs. (M)

6. The customer subscribing to a Port Only or Port and Access Line will be referred to as the controller of the Frame Relay port. A separate entity may, with written authorization from the controller, subscribe to a PVC that allows communication between entities. A disconnect of a PVC does not result in the disconnect of the underlying access line and port. Only the controller may order the disconnect of the FRS.

7. The Frame Relay port with PVC CIR capacity may be ordered and billed separately from an associated Frame Relay port and PVC, and can have different customers as controllers.

8. 4 Mbps, 6 Mbps, 10 Mbps and 22 Mbps speeds are provisioned utilizing 44.736 Mbps of transport bandwidth; no other service(s) may utilize the remaining bandwidth

(e) Special Conditions

Maintenance Window - Occasionally, in order to perform software updates and other maintenance, it may be necessary to take the Frame Relay switch out of service, during the predetermined maintenance window of 11:00p.m. to 8:00 a.m. In these cases, all attempts will be made to notify the customer in advance as to the time and duration of these outages. The Company reserves the right to temporarily interrupt the FRS at other times in emergency situations.

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.2 Regulations**

(d) Service Provisioning (Continued)

6. The customer subscribing to a Port Only or Port and Access Line will be referred to as the controller of the Frame Relay port. A separate entity may, with written authorization from the controller, subscribe to a PVC that allows communication between entities. A disconnect of a PVC does not result in the disconnect of the underlying access line and port. Only the controller may order the disconnect of the FRS.

7. The Frame Relay port with PVC CIR capacity may be ordered and billed separately from an associated Frame Relay port and PVC, and can have different customers as controllers.

8. 4 Mbps, 6 Mbps, 10 Mbps and 22 Mbps speeds are provisioned utilizing 44.736 Mbps of transport bandwidth; no other service(s) may utilize the remaining bandwidth

(e) Special Conditions

Maintenance Window - Occasionally, in order to perform software updates and other maintenance, it may be necessary to take the Frame Relay switch out of service, during the predetermined maintenance window of 11:00p.m. to 8:00 a.m. In these cases, all attempts will be made to notify the customer in advance as to the time and duration of these outages. The Company reserves the right to temporarily interrupt the FRS at other times in emergency situations. (N)

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Durham, North Carolina

1st Revised Page 36

EFFECTIVE: November 21, 2000

## S10. DIGITAL NETWORK SERVICES

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VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18, 2003
BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.4 Obligations of the Company**

a. The responsibility of the Company shall be limited to furnishing network equipment suitable for Frame Relay Service and to the maintenance and operation of such equipment in a manner proper for such service. Subject to this responsibility, the Company shall not be responsible for the through transmission of signals generated by the customer-provided equipment or system, or for the quality of, or defects in, such transmission or the reception of signals by such equipment or systems.

b. The Company shall not be responsible for installation, operation or maintenance of any terminal equipment, data unit or communications system provided by a customer or user. The Company is not responsible for adapting Frame Relay Service to the technological requirements of any specific customer equipment.

c. When a customer orders a Permanent Virtual Connection (PVC) which is relayed to other Local Exchange Carriers, Interexchange Carriers or other Frame Relay networks, the Company will provide advisory assistance as a part of the establishment of this PVC.

d. The Company shall not be responsible to the customer or user if changes in any of the equipment, operations or procedures of Verizon South Inc. used in the provision of Frame Relay Service render any facilities provided by the customer or user obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance, provided the Company has met any applicable information disclosure requirements otherwise required by law.

e. The Company undertakes the responsibility to maintain and repair the service which it furnishes. Network equipment installed by the Company on the customer's premises shall be and remain the property of Verizon South Inc. The customer or user may not rearrange, disconnect, remove, attempt to repair, remote test, or interface with any network equipment installed by the Company without prior written consent by Verizon South Inc.

f. The Company, by written notice to the customer, may immediately discontinue the furnishing of Frame Relay Service without incurring liability upon nonpayment of any sum due to the Company or a violation of any condition governing the furnishing of service.

g. The Company has the service responsibility up to and including the network interface. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: January 31, 1996
BY: Vice President
Durham, North Carolina

Original Page 36

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.4 Obligations of the Telephone Company**

a. The responsibility of GTE South shall be limited to furnishing network equipment suitable for Frame Relay Service and to the maintenance and operation of such equipment in a manner proper for such service. Subject to this responsibility, GTE South shall not be responsible for the through transmission of signals generated by the customer-provided equipment or system, or for the quality of, or defects in, such transmission or the reception of signals by such equipment or systems.

b. GTE South shall not be responsible for installation, operation or maintenance of any terminal equipment, data unit or communications system provided by a customer or user. GTE South is not responsible for adapting Frame Relay Service to the technological requirements of any specific customer equipment.

c. When a customer orders a Permanent Virtual Connection (PVC) which is relayed to other Local Exchange Carriers, Interexchange Carriers or other Frame Relay networks, GTE South will provide advisory assistance as a part of the establishment of this PVC.

d. GTE South shall not be responsible to the customer or user if changes in any of the equipment, operations or procedures of GTE South used in the provision of Frame Relay Service render any facilities provided by the customer or user obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance, provided GTE South has met any applicable information disclosure requirements otherwise required by law.

e. GTE South undertakes the responsibility to maintain and repair the service which it furnishes. Network equipment installed by GTE South on the customer's premises shall be and remain the property of GTE South. The customer or user may not rearrange, disconnect, remove, attempt to repair, remote test, or interface with any network equipment installed by GTE South without prior written consent by GTE South. (N)

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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.4 Obligations of the Company**

a. The responsibility of the Company shall be limited to furnishing network equipment suitable for Frame Relay Service and to the maintenance and operation of such equipment in a manner proper for such service. Subject to this responsibility, the Company shall not be responsible for the through transmission of signals generated by the customer-provided equipment or system, or for the quality of, or defects in, such transmission or the reception of signals by such equipment or systems.

b. The Company shall not be responsible for installation, operation or maintenance of any terminal equipment, data unit or communications system provided by a customer or user. The Company is not responsible for adapting Frame Relay Service to the technological requirements of any specific customer equipment.

c. When a customer orders a Permanent Virtual Connection (PVC) which is relayed to other Local Exchange Carriers, Interexchange Carriers or other Frame Relay networks, the Company will provide advisory assistance as a part of the establishment of this PVC.

d. The Company shall not be responsible to the customer or user if changes in any of the equipment, operations or procedures of Verizon South Inc. used in the provision of Frame Relay Service render any facilities provided by the customer or user obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance, provided the Company has met any applicable information disclosure requirements otherwise required by law.

h. The Company undertakes the responsibility to maintain and repair the service which it furnishes. Network equipment installed by the Company on the customer's premises shall be and remain the property of Verizon South Inc. The customer or user may not rearrange, disconnect, remove, attempt to repair, remote test, or interface with any network equipment installed by the Company without prior written consent by Verizon South Inc.

i. The Company, by written notice to the customer, may immediately discontinue the furnishing of Frame Relay Service without incurring liability upon nonpayment of any sum due to the Company or a violation of any condition governing the furnishing of service.

j. The Company has the service responsibility up to and including the network interface. (N)

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.3 Obligations of the Customer**

a. Where FRS is available for use in connection with communications systems or equipment provided by a customer or user, the operating characteristics of such systems or equipment shall be such as not to interfere with any services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer or user does not endanger the safety of the Company's employees or the public; damage, harm, require change in or alteration of the equipment or other services of the Company; interfere with the proper operation of the Company's equipment or otherwise injure the public in its use of the Company's services. Upon notice from the Company that the equipment provided by the customer or user is causing, or is likely to cause, such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.

b. The customer, upon request, shall furnish such information as may be required to permit the Company to design and maintain the FRS it offers and to assure that the service arrangement is in compliance with the regulations contained herein.

c. It shall be the responsibility of the customer to ensure the continuing compatibility of the customer-provided equipment that is used in conjunction with the FRS. The CPE shall be in compliance with the rules and regulations specified in this tariff.

d. The customer shall be responsible for obtaining permission for the Company's agents or employees to enter the premises of the-customer at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Company.

e. At service subscription, the customer must specify the CIR and is expected to provide the DLCI and the B(e) for each PVC ordered.

f. Error correction is the responsibility of the customer's terminal equipment and/or applications. If the FRS network experiences congestion or failures, customer data may be discarded. In addition, frames that are received in excess of the Maximum Burst Rate (MBR), with bad addresses, or other errors will be discarded on ingress to the network. The customer's Frame Relay terminal equipment has the responsibility for retransmitting frames that are discarded due to errors or network congestion.

g. The customer is responsible for provisioning the inside wire from the network interface to the Frame Relay compatible equipment.

h. A customer ordering Backup UNI service is responsible for the following: (N)

- Determining network configuration before and after the activation of Backup UNI service.
- Providing the Company with the appropriate information required for joint development of the Backup UNI database.
- Maintaining its own port configurations and router tables (for seamless changes from the Primary UNI to the Backup UNI, the customer must use the same addressing scheme on routers connected to the primary and backup sites).
- Contacting the Company to request all activations and deactivations of Backup UNI service. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.3 Obligations of the Customer**

a. Where FRS is available for use in connection with communications systems or equipment provided by a customer or user, the operating characteristics of such systems or equipment shall be such as not to interfere with any services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer or user does not endanger the safety of the Company's employees or the public; damage, harm, require change in or alteration of the equipment or other services of the Company; interfere with the proper operation of the Company's equipment or otherwise injure the public in its use of the Company's services. Upon notice from the Company that the equipment provided by the customer or user is causing, or is likely to cause, such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.

b. The customer, upon request, shall furnish such information as may be required to permit the Company to design and maintain the FRS it offers and to assure that the service arrangement is in compliance with the regulations contained herein.

c. It shall be the responsibility of the customer to ensure the continuing compatibility of the customer-provided equipment that is used in conjunction with the FRS. The CPE shall be in compliance with the rules and regulations specified in this tariff.

d. The customer shall be responsible for obtaining permission for the Company's agents or employees to enter the premises of the-customer at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Company.

e. At service subscription, the customer must specify the CIR and is expected to provide the DLCI and the B(e) for each PVC ordered.

f. Error correction is the responsibility of the customer's terminal equipment and/or applications. If the FRS network experiences congestion or failures, customer data may be discarded. In addition, frames that are received in excess of the Maximum Burst Rate (MBR), with bad addresses, or other errors will be discarded on ingress to the network. The customer's Frame Relay terminal equipment has the responsibility for retransmitting frames that are discarded due to errors or network congestion.

g. The customer is responsible for provisioning the inside wire from the network interface to the Frame Relay compatible equipment. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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## S10. DIGITAL NETWORK SERVICES

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges**

a. The minimum contract period for Frame Relay Service is one month based on a month-to-month payment arrangement. Optional Payment Plans (OPP) for 12 months (one year), 36 months (three years) and 60 months (five years) are available. The customer must designate which payment option is desired at the time a firm order for service is placed.

b. A subsequent order to add Frame Relay Access Line(s) and Switching to an existing installation will be for a minimum contract period of one month.

c. The Company may setup access arrangements on behalf of the customer. Access facilities arranged by the Company will be billed at the rates provided by the underlying carrier. Any special construction or non-standard charges assessed by carrier supplying the local access will also be the responsibility of the customer. If the customer utilizes a special access line to access FRS, the associated regulations, rates and charges for such facilities shall apply in addition to the rates and charges associated with the FRS rate elements.

d. A customer utilizing private line facilities to access FRS would not incur a nonrecurring charge, or monthly rate for a Frame Relay Access Line, but would incur all other monthly rates and nonrecurring charges normally associated with the ordering, installation and provisioning of Frame Relay Service.

e. When a customer orders additional PVCs or changes PVC assignments on a given FRS port after the initial port installation, the Frame Relay PVC nonrecurring charge shall apply. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges**

a. The minimum contract period for Frame Relay Service is one month based on a month-to-month payment arrangement. Optional Payment Plans (OPP) for 12 months (one year), 36 months (three years) and 60 months (five years) are available. The customer must designate which payment option is desired at the time a firm order for service is placed.

b. A subsequent order to add Frame Relay Access Line(s) and Switching to an existing installation will be for a minimum contract period of one month.

c. The Company may setup access arrangements on behalf of the customer. Access facilities arranged by the Company will be billed at the rates provided by the underlying carrier. Any special construction or non-standard charges assessed by carrier supplying the local access will also be the responsibility of the customer. If the customer utilizes a special access line to access FRS, the associated regulations, rates and charges for such facilities shall apply in addition to the rates and charges associated with the FRS rate elements.

e. A customer utilizing private line facilities to access FRS would not incur a nonrecurring charge, or monthly rate for a Frame Relay Access Line, but would incur all other monthly rates and nonrecurring charges normally associated with the ordering, installation and provisioning of Frame Relay Service.

e. When a customer orders additional PVCs or changes PVC assignments on a given FRS port after the initial port installation, the Frame Relay PVC nonrecurring charge shall apply. (N)

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.4 Obligations of the Telephone Company (Continued)**

f. GTE South, by written notice to the customer, may immediately discontinue the furnishing of Frame Relay Service without incurring liability upon nonpayment of any sum due to GTE South or a violation of any condition governing the furnishing of service.

g. GTE South has the service responsibility up to and including the network interface.

**S10.3.5 Rates and Charges**

a. The minimum contract period for Frame Relay Service is one month based on a month-to-month payment arrangement. Optional Payment Plans (OPP) for 12 months, 36 months and 60 months are available. The customer must designate which payment option is desired at the time a firm order for service is placed.

b. A subsequent order to add Frame Relay Access Line(s) and Switching to an existing installation will be for a minimum contract period of one month.

c. A customer may access Frame Relay Service (FRS) via a Frame Relay Access Line or via Company-provided, digital, private line facilities. If a customer utilizes private line facilities, or private line transport with a Frame Relay Access Line, to access FRS, the associated regulations, rates and charges for such private line facilities shall apply in addition to the rates and charges associated with the FRS elements.

d. A customer utilizing private line facilities to access FRS would not incur a nonrecurring charge, or monthly rate for a Frame Relay Access Line, but would incur all other monthly rates and nonrecurring charges normally associated with the ordering, installation and provisioning of Frame Relay Service. (N)

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.4 Obligations of the Company**

a. The responsibility of the Company shall be limited to furnishing network equipment suitable for FRS and to the maintenance and operation of such equipment in a manner proper for such service. Subject to this responsibility, the Company shall not be responsible for the through transmission of signals generated by the customer-provided equipment or system, or for the quality of, or defects in, such transmission or the reception of signals by such equipment or systems.

b. The Company shall not be responsible for installation, operation or maintenance of any terminal equipment, data unit or communications system provided by a customer or user. The Company is not responsible for adapting FRS to the technological requirements of any specific customer equipment.

c. When a customer orders FRS which is relayed to Frame Relay networks of other carriers, the Company will provide advisory assistance as a part of the establishment of this service.

d. The Company shall not be responsible to the customer or user if changes in any of the equipment, operations or procedures of the Company used in the provision of FRS render any facilities provided by the customer or user obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance, provided the Company has met any applicable information disclosure requirements otherwise required by law.

e. The Company undertakes the responsibility to maintain and repair the service that it furnishes. Network equipment installed by the Company on the customer's premises shall be and remain the property of the Company. The customer or user may not rearrange, disconnect, remove, attempt to repair, remote test, or interface with any network equipment installed by the Company without prior written consent by the Company.

f. The Company, by written notice to the customer, may immediately discontinue the furnishing of FRS without incurring liability upon nonpayment of any sum due to the Company or a violation of any condition governing the furnishing of service.

g. The Company has the service responsibility up to and including the network interface.

**10.3.5 Special Facilities Routing** - The customer may request that the facilities used to provide FRS be specially routed. Additional charges will apply based on cost.

**10.3.6 Acceptance Testing** - At the customer's request, the Company will cooperatively test at the time of installation at no additional charge. Acceptance tests will include tests for the parameters applicable to the service as specified in the order for service. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

f. Optional Payment Plan (OPP)

(1) A customer may convert a new OPP period at the completion of a selected OPP, subject to the following conditions:

(a) No credit toward the new payment period will be given for payments made under the original OPP arrangement.

(b) Nonrecurring charges will not be reapplied for existing services.

(c) If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges will apply.

(2) At the expiration of an OPP, the Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.

(3) Conversion to a different OPP or to a month-to-month option will require the customer to submit a change order, however, no nonrecurring charges will apply. (N)

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

e. When a customer orders additional PVCs or changes PVC assignments on a given FRS port after the initial port installation, the Frame Relay PVC nonrecurring charge shall apply.

f. Optional Payment Plan (OPP)

(1) A customer may convert a new OPP period at the completion of a selected OPP, subject to the following conditions:

(a) No credit toward the new payment period will be given for payments made under the original OPP arrangement.

(b) Nonrecurring charges will not be reapplied for existing services.

(c) If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges will apply.

(2) At the expiration of an OPP, the Telephone Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.

(3) Conversion to a different OPP or to a month-to-month option will require the customer to submit a change order, however, no nonrecurring charges will apply. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

f. Optional Payment Plan (OPP)

(1) A customer may convert a new OPP period at the completion of a selected OPP, subject to the following conditions:

(a) No credit toward the new payment period will be given for payments made under the original OPP arrangement.

(b) Nonrecurring charges will not be reapplied for existing services.

(c) If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges will apply.

(2) At the expiration of an OPP, the Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.

(3) Conversion to a different OPP or to a month-to-month option will require the customer to submit a change order, however, no nonrecurring charges will apply. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.7 Application of Rates and Charges**

a. Rate Elements

The following rate elements are applicable to FRS:

UNI Port and Access Line
Port Only
- UNI Port Only
- Private NNI Port Only

PVC CIR
Subsequent PVC CIR Charge
Backup UNI (N)
Software Change Charge (N)

1. UNI Port and Access Line

A monthly recurring charge based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps 384 Kbps, 1.536 Mbps, 4 Mbps, 6 Mbps, 10 Mbps, 22 Mbps, or 44.736 Mbps) applies per port for each physical connection to the network supporting FRS. In addition, a nonrecurring charge applies to the month-to-month plan. Nonrecurring charges do not apply to UNI Port and Access Line offered on a Term Payment Plan (TPP). UNI Port and Access Line is offered on a month-to-month basis or as a TPP of one year, three years, or five years.

2. Port Only – UNI Port Only and Private NNI Port Only

A monthly recurring charge based on the speed of the port connection applies per port for each Port Only interface. In addition, a nonrecurring charge applies to the month-to-month plan. Nonrecurring charges do not apply to Port Only offered on a TPP. Port Only is offered on a month-to-month basis or as a TPP of one year, three years, or five years.

Refer to 10.3.2 b. 2. for the rules and regulations associated with Port Only digital access facilities.

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.7 Application of Rates and Charges**

a. Rate Elements

The following rate elements are applicable to FRS:

UNI Port and Access Line
Port Only
- UNI Port Only
- Private NNI Port Only

PVC CIR
Subsequent PVC CIR Charge

1. UNI Port and Access Line

A monthly recurring charge based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps 384 Kbps, 1.536 Mbps, 4 Mbps, 6 Mbps, 10 Mbps, 22 Mbps, or 44.736 Mbps) applies per port for each physical connection to the network supporting FRS. In addition, a nonrecurring charge applies to the month-to-month plan. Nonrecurring charges do not apply to UNI Port and Access Line offered on a Term Payment Plan (TPP). UNI Port and Access Line is offered on a month-to-month basis or as a TPP of one year, three years, or five years.

2. Port Only – UNI Port Only and Private NNI Port Only

A monthly recurring charge based on the speed of the port connection applies per port for each Port Only interface. In addition, a nonrecurring charge applies to the month-to-month plan. Nonrecurring charges do not apply to Port Only offered on a TPP. Port Only is offered on a month-to-month basis or as a TPP of one year, three years, or five years.

Refer to 10.3.2 b. 2. for the rules and regulations associated with Port Only digital access facilities. (N)

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## S10. DIGITAL NETWORK SERVICES

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

f. Optional Payment Plan (OPP) (Continued)

(4) Termination Liability

(a) When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

One-Year OPP - 50% of any remaining portion of the first year's recurring charges.

Three-Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five-Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

(b) During an OPP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the OPP arrangement without penalty or liability. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

f. Optional Payment Plan (OPP) (Continued)

(4) Termination Liability

(a) When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

One-Year OPP - 50% of any remaining portion of the first year's recurring charges.

Three-Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five-Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

(b) During an OPP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the OPP arrangement without penalty or liability. (N)

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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

f. Optional Payment Plan (OPP) (Continued)

(4) Termination Liability

(a) When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

One-Year OPP - 50% of any remaining portion of the first year's recurring charges.

Three-Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five-Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

(b) During an OPP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the OPP arrangement without penalty or liability. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.7 Application of Rates and Charges (Continued)**

a. Rate Elements (Continued)

3. Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)

(a) Intrazone - A monthly recurring charge, based on CIR capacity, applies for each PVC requested by the customer. Frame Relay zones are found in (5.) following.

(b) Multi-jurisdictional - A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

(c) Public NNI – A monthly recurring charge, based on CIR capacity, applies for each PVC requested by the customer.

4. PVC CIR optional Features (N)

(a) Frame Relay to ATM Service Interworking – Frame Relay to ATM Service Interworking is available with Intrazone and Multi-jurisdictional PVC CIR at no additional charge. (N)

5. Subsequent PVC CIR Charge – A nonrecurring charge applies when a customer orders additional PVC CIR subsequent to the initial port installation. (T)

6. Frame Relay Zones (T)

| Zone | Office |
|---|---|
| Myrtle Beach | Myrtle Beach |
| Sumter | Sumter |

7. Backup UNI (T)

A nonrecurring charge applies when a customer requests an activation of the Backup UNI service. No additional charges are applied upon deactivation of Backup UNI service.

8. Software Change Charge (T)

A nonrecurring charge applies per order, per UNI or Private NNI, when a customer requests a PVC parameter change (i.e., CIR, burst, DLCI re-map to a different host or remote). For each service order issued, the charge will be one Software Change Charge regardless of the number of changes made.

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.7 Application of Rates and Charges (Continued)**

a. Rate Elements (Continued)

3. Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)

(a) Intrazone - A monthly recurring charge, based on CIR capacity, applies for each PVC requested by the customer. Frame Relay zones are found in (5.) following.

(b) Multi-jurisdictional - A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

(c) Public NNI – A monthly recurring charge, based on CIR capacity, applies for each PVC requested by the customer.

4. Subsequent PVC CIR Charge – A nonrecurring charge applies when a customer orders additional PVC CIR subsequent to the initial port installation.

5. Frame Relay Zones

| Zone | Office |
|---|---|
| Myrtle Beach | Myrtle Beach |
| Sumter | Sumter |

6. Backup UNI (N)

A nonrecurring charge applies when a customer requests an activation of the Backup UNI service. No additional charges are applied upon deactivation of Backup UNI service.

7. Software Change Charge

A nonrecurring charge applies per order, per UNI or Private NNI, when a customer requests a PVC parameter change (i.e., CIR, burst, DLCI re-map to a different host or remote). For each service order issued, the charge will be one Software Change Charge regardless of the number of changes made. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.7 Application of Rates and Charges (Continued)**

a. Rate Elements (Continued)

3. Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)

(a) Intrazone - A monthly recurring charge, based on CIR capacity, applies for each PVC requested by the customer. Frame Relay zones are found in (5.) following.

(b) Multi-jurisdictional - A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

(c) Public NNI – A monthly recurring charge, based on CIR capacity, applies for each PVC requested by the customer.

4. Subsequent PVC CIR Charge – A nonrecurring charge applies when a customer orders additional PVC CIR subsequent to the initial port installation.

5. Frame Relay Zones

| Zone | Office |
|---|---|
| Myrtle Beach | Myrtle Beach |
| Sumter | Sumter |

(N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements

(1) Service rearrangements are changes to existing (installed) services which do not result in a change in the physical location of the network interface. (Changes in the physical location of the network interface are treated as moves and are described and charged for as set forth herein.)

(a) Additions to Service

1. With the exception of Frame Relay Permanent Virtual Connections (PVCs), when service elements are added to an existing service, the added elements must meet the minimum period requirements associated with the service to which they are added.

2. When PVCs are added to an existing Frame Relay Service, the minimum period for the added PVCs is one month.

3. With the exception of Frame Relay PVCs, an addendum to the existing fixed-period service agreement is required when service elements are added to an existing fixed-period service. PVCs may be added to existing fixed-period service on a month-to-month basis without an addendum to the existing fixed-period service agreement.

4. Nonrecurring charges will apply for all additions to existing services, service elements, or optional features for which nonrecurring charges normally apply at installation.

5. Nonrecurring charges for additional PVCs will be required if PVCs are not purchased with a Frame Relay Port at the time of the original service request.

6. Related monthly rates and nonrecurring charges for addition(s) to service are the rates and charges in effect at the time of the addition(s). (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements

(1) Service rearrangements are changes to existing (installed) services which do not result in a change in the physical location of the network interface. (Changes in the physical location of the network interface are treated as moves and are described and charged for as set forth herein.)

(a) Additions to Service

1. With the exception of Frame Relay Permanent Virtual Connections (PVCs), when service elements are added to an existing service, the added elements must meet the minimum period requirements associated with the service to which they are added.

2. When PVCs are added to an existing Frame Relay Service, the minimum period for the added PVCs is one month.

3. With the exception of Frame Relay PVCs, an addendum to the existing fixed-period service agreement is required when service elements are added to an existing fixed-period service. PVCs may be added to existing fixed-period service on a month-to-month basis without an addendum to the existing fixed-period service agreement.

7. Nonrecurring charges will apply for all additions to existing services, service elements, or optional features for which nonrecurring charges normally apply at installation.

8. Nonrecurring charges for additional PVCs will be required if PVCs are not purchased with a Frame Relay Port at the time of the original service request.

9. Related monthly rates and nonrecurring charges for addition(s) to service are the rates and charges in effect at the time of the addition(s). (N)

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements

(1) Service rearrangements are changes to existing (installed) services which do not result in a change in the physical location of the network interface. (Changes in the physical location of the network interface are treated as moves and are described and charged for as set forth herein.)

(a) Additions to Service

1. With the exception of Frame Relay Permanent Virtual Connections (PVCs), when service elements are added to an existing service, the added elements must meet the minimum period requirements associated with the service to which they are added.

2. When PVCs are added to an existing Frame Relay Service, the minimum period for the added PVCs is one month.

3. With the exception of Frame Relay PVCs, an addendum to the existing fixed-period service agreement is required when service elements are added to an existing fixed-period service. PVCs may be added to existing fixed-period service on a month-to-month basis without an addendum to the existing fixed-period service agreement.

4. Nonrecurring charges will apply for all additions to existing services, service elements, or optional features for which nonrecurring charges normally apply at installation. (N)

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.1 Application of Rates and Charges (Continued)**

b. Service Charges

Unless otherwise stated in this tariff, nonrecurring charges applicable to FRS are in lieu of service charges found elsewhere in this tariff or other Company tariffs. However, miscellaneous order modification charges may be applicable.

c. Minimum Period

The minimum period for FRS is one month except when the customer subscribes to a TPP. When PVCs are added to existing FRS, the minimum period for the PVC is one month.

d. Term Payment Plan (TPP)

1. The UNI Port and Access Line, UNI Port Only and Private NNI Port Only rate elements are available under a TPP. PVC CIRs are not offered under a TPP.

2. Payment periods of one year, three years and five years are available to all customers at the applicable rates set forth in 10.3.8 following, regardless of when they subscribe to a TPP arrangement. (N)

VERIZON SOUTH INC.
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements (Continued)

(1) (Continued)

(b) Upgrades in Speed or Capacity

1. Should the customer upgrade either a portion or the entire service provided under a fixed-period service agreement to a higher speed or greater capacity, discontinuance charges will not apply, provided all the following conditions are met:

- Both the existing and new services and/or service element(s) are of the same service type; e.g., both Frame Relay Service;

- Both the existing and the new services and/or service element(s) are provided solely by the Company;

- The order to discontinue a service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time;

- The new service will be provided at the same customer location as the discontinued service;

- The fixed-period plan for the upgraded service(s) and/or service element(s) meets or exceeds the remaining length of the existing fixed-period plan; and

- The total monthly rate of the new agreement is equal to or greater than the total monthly rate of the existing agreement period. (N)

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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements (Continued)

(1) (Continued)

(b) Upgrades in Speed or Capacity

1. Should the customer upgrade either a portion or the entire service provided under a fixed-period service agreement to a higher speed or greater capacity, discontinuance charges will not apply, provided all the following conditions are met:

- Both the existing and new services and/or service element(s) are of the same service type; e.g., both Frame Relay Service;

- Both the existing and the new services and/or service element(s) are provided solely by the Company;

- The order to discontinue a service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time;

- The new service will be provided at the same customer location as the discontinued service;

- The fixed-period plan for the upgraded service(s) and/or service element(s) meets or exceeds the remaining length of the existing fixed-period plan; and

- The total monthly rate of the new agreement is equal to or greater than the total monthly rate of the existing agreement period. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements (Continued)

(1) (Continued)

(a) Additions to Service (Continued)

5. Nonrecurring charges for additional PVCs will be required if PVCs are not purchased with a Frame Relay Port at the time of the original service request.

6. Related monthly rates and nonrecurring charges for addition(s) to service are the rates and charges in effect at the time of the addition(s).

(b) Upgrades in Speed or Capacity

1. Should the customer upgrade either a portion or the entire service provided under a fixed-period service agreement to a higher speed or greater capacity, discontinuance charges will not apply, provided all the following conditions are met:

- Both the existing and new services and/or service element(s) are of the same service type; e.g., both Frame Relay Service;

- Both the existing and the new services and/or service element(s) are provided solely by the Company;

- The order to discontinue a service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time;

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.7 Application of Rates and Charges (Continued)**

d. Term Payment Plan (TPP) (Continued)

3. Changes to a TPP period

Prior to the completion of the selected TPP period, the customer may elect to convert to a new TPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original TPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the value of the new TPP is less than the remaining value of current TPP, the change to the new TPP period constitutes a disconnect of the existing TPP service termination liability charges as set forth in General Regulations, Section 2.10 of this tariff will apply.

Conversion to a different TPP or to a month-to-month option will require the customer to submit an order. If no other changes are requested, no nonrecurring charges will apply.

4. Termination Liability

In the event FRS is terminated by the customer prior to completion of the initial term commitment period, Termination Liability Charges, as set forth in General Regulations, Section 2.10 of this tariff, will apply. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements (Continued)

(1) (Continued)

(b) Upgrades in Speed or Capacity (Continued)

2. The monthly rates for the upgraded services and/or service elements will be those rates in effect at the time of the service upgrade. The related nonrecurring charges which apply for the upgrade are the charges in effect at the time of the service upgrade.

3. Should the order to upgrade exclude one or more of the conditions of S10.3.5g. (1.)(b.)(.1), it will be treated as a discontinuance of the existing service and the establishment of a new service. All outstanding minimum period charges and discontinuance charges will apply. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements (Continued)

(1) (Continued)

(b) Upgrades in Speed or Capacity (Continued)

2. The monthly rates for the upgraded services and/or service elements will be those rates in effect at the time of the service upgrade. The related nonrecurring charges which apply for the upgrade are the charges in effect at the time of the service upgrade.

3. Should the order to upgrade exclude one or more of the conditions of S10.3.5g. (1.)(b.)(.1), it will be treated as a discontinuance of the existing service and the establishment of a new service. All outstanding minimum period charges and discontinuance charges will apply. (N)

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements (Continued)

(1) (Continued)

(b) Upgrades in Speed or Capacity (Continued)

1. (Continued)

- The new service will be provided at the same customer location as the discontinued service;

- The fixed-period plan for the upgraded service(s) and/or service element(s) meets or exceeds the remaining length of the existing fixed-period plan; and

- The total monthly rate of the new agreement is equal to or greater than the total monthly rate of the existing agreement period.

2. The monthly rates for the upgraded services and/or service elements will be those rates in effect at the time of the service upgrade. The related nonrecurring charges which apply for the upgrade are the charges in effect at the time of the service upgrade.

3. Should the order to upgrade exclude one or more of the conditions of S10.3.5g. (1.)(b.)(.1), it will be treated as a discontinuance of the existing service and the establishment of a new service. All outstanding minimum period charges and discontinuance charges will apply. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.7 Application of Rates and Charges (Continued)**

e. Service Rearrangements

1. Additions to Service

(a) With the exception of PVCs, when service elements are added to an existing service, the added elements must meet the minimum period requirements associated with the service to which they are added. When PVCs are added to an existing FRS, the minimum period for the added PVCs is one month.

(b) Nonrecurring charges will apply for all additions to existing services or optional features for which nonrecurring charges normally apply at installation.

(c) Related monthly rates and nonrecurring charges for addition(s) to service are the rate and charges in effect at the time of the addition(s).

2. Administrative Changes

Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes may include but are not limited to the following:

- Change of customer name, i.e., the customer or record does not change but rather the customer of record changes its name, e.g., XYZ Company to XYZ Communications;

- Change of customer premises address when the change of address is not a result of a physical relocation of facilities;

- Change in billing data (name, address, or contact name or telephone number); and,

- Change of customer contact name or telephone number. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

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VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements (Continued)

(1) (Continued)

(c) Administrative Changes

1. Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name, i.e., the customer or record does not change but rather the customer of record changes its name, e.g., XYZ Company to XYZ Communications,
- Change of customer premises address when the change of address is not a result of a physical relocation of facilities,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer contact name or telephone number, and
- Change of customer service element identification. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements (Continued)

(1) (Continued)

(c) Administrative Changes

1. Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name, i.e., the customer or record does not change but rather the customer of record changes its name, e.g., XYZ Company to XYZ Communications,
- Change of customer premises address when the change of address is not a result of a physical relocation of facilities,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer contact name or telephone number, and
- Change of customer service element identification. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

g. Service Rearrangements (Continued)

(1) (Continued)

(c) Administrative Changes

1. Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name, i.e., the customer or record does not change but rather the customer of record changes its name, e.g., XYZ Company to XYZ Communications,
- Change of customer premises address when the change of address is not a result of a physical relocation of facilities,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer contact name or telephone number, and
- Change of customer service element identification. (N)

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.7 Application of Rates and Charges (Continued)**

e. Service Rearrangements (Continued)

1. Conversion of service to another jurisdiction will be treated as a disconnect of service and establishment of new service. However, if no other changes are ordered, no installation charges will apply.

2. Moves

When the customer requests a move or relocation of the UNI Port and Access Line, UNI Port Only or Private NNI Port Only, the move or relocation will be treated as a termination of the existing service and the establishment of a new service.

3. Upgrade to Higher Speed Service

The customer may elect to upgrade service(s) to a higher speed during a TPP period, subject to the following conditions:

- Both the existing and the new service are provided solely by the Company.
- The order to discontinue service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time.
- The new service will be provided at the same customer location as the discontinued service. (N)

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VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18, 2003
BY: Vice President
Durham, North Carolina

First Revised Page 44
Cancels Original Page 44
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

(M)

(M)

(M) Material previously appearing on this sheet now appears in S118, Page 15. (N)

VERIZON SOUTH INC. Original Page 44
SOUTH CAROLINA
ISSUED: November 13, 2001 EFFECTIVE: December 1, 2001
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

h. Rate Elements

(1) Frame Relay with Port and Access

A nonrecurring charge and monthly rate, both based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps), apply per port for each physical connection to the network supporting Frame Relay Service (FRS). Each port includes one PVC, and can accommodate multiple PVCs.

(2) Frame Relay with Port Only

A nonrecurring charge and a monthly rate, based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps) apply per port for each Frame Relay Access Line or digital private line connection to the network supporting FRS. Each port can have multiple PVCs. The first PVC is included with the purchase of the port.

(3) Frame Relay PVC (FR-PVC)

(a) A nonrecurring charge and a monthly rate apply for each PVC. A monthly rate based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps) and the number of PVCs assigned to the port, applies per port. PVC rates are applied and accumulated on a per port basis.

(b) A nonrecurring charge applies for each subsequent order of PVC(s) to be added to PVC assignment(s) changed on an existing FRS.

(c) If the information provided by the Customer on the requested PVCs results in an interstate arrangement, the PVC falls under the federal jurisdiction and the PVC CIR capacity as specified in the company's FCC No. 1 Tariff will apply. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: January 31, 1996
BY: Vice President
Durham, North Carolina

Original Page 44

EFFECTIVE: March 19, 1996

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

h. Rate Elements

(1) Frame Relay with Port and Access

A nonrecurring charge and monthly rate, both based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps), apply per port for each physical connection to the network supporting Frame Relay Service (FRS). Each port includes one PVC, and can accommodate multiple PVCs.

(2) Frame Relay with Port Only

A nonrecurring charge and a monthly rate, based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps) apply per port for each Frame Relay Access Line or digital private line connection to the network supporting FRS. Each port can have multiple PVCs. The first PVC is included with the purchase of the port.

(3) Frame Relay PVC (FR-PVC)

(a) A nonrecurring charge and a monthly rate apply for each PVC. A monthly rate based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps) and the number of PVCs assigned to the port, applies per port. PVC rates are applied and accumulated on a per port basis.

(b) A nonrecurring charge applies for each subsequent order of PVC(s) to be added to PVC assignment(s) changed on an existing FRS. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 13, 2001
BY: Vice President
Durham, North Carolina

Original Page 44
EFFECTIVE: December 1, 2001

## S10. DIGITAL NETWORK SERVICES

**S10.3** **Frame Relay Service (Continued)** (N)

**S10.3.5** **Rates and Charges (Continued)**

h. Rate Elements

(1) Frame Relay with Port and Access

A nonrecurring charge and monthly rate, both based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps), apply per port for each physical connection to the network supporting Frame Relay Service (FRS). Each port includes one PVC, and can accommodate multiple PVCs.

(2) Frame Relay with Port Only

A nonrecurring charge and a monthly rate, based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps) apply per port for each Frame Relay Access Line or digital private line connection to the network supporting FRS. Each port can have multiple PVCs. The first PVC is included with the purchase of the port.

(3) Frame Relay PVC (FR-PVC)

(a) A nonrecurring charge and a monthly rate apply for each PVC. A monthly rate based on the speed of the port connection (i.e., 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, or 1.544 Mbps) and the number of PVCs assigned to the port, applies per port. PVC rates are applied and accumulated on a per port basis.

(c) A nonrecurring charge applies for each subsequent order of PVC(s) to be added to PVC assignment(s) changed on an existing FRS.

(c) If the information provided by the Customer on the requested PVCs results in an interstate arrangement, the PVC falls under the federal jurisdiction and the PVC CIR capacity as specified in the company's FCC No. 1 Tariff will apply. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 18, 2008
BY: Vice President
Durham, North Carolina

Fifth Revised Page 45
Cancels Fourth Revised Page 45
EFFECTIVE: December 3, 2008

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 1. UNI Port and Access Line, each | | | |
| 56 Kbps | | | |
| Month-to-Month | $495.00 | $ 206.00 | (I) |
| One Year | 0.00 | 200.00 | |
| Three Years | 0.00 | 176.00 | |
| Five Years | 0.00 | 164.00 | |
| 128 Kbps | | | |
| Month-to-Month | 495.00 | 285.00 | |
| One Year | 0.00 | 278.00 | |
| Three Years | 0.00 | 249.00 | |
| Five Years | 0.00 | 237.00 | |
| 256 Kbps | | | |
| Month-to-Month | 595.00 | 466.00 | |
| One Year | 0.00 | 454.00 | |
| Three Years | 0.00 | 418.00 | |
| Five Years | 0.00 | 370.00 | |
| 384 Kbps | | | |
| Month-to-Month | 595.00 | 484.00 | |
| One Year | 0.00 | 472.00 | |
| Three Years | 0.00 | 448.00 | |
| Five Years | 0.00 | 418.00 | |
| DS1 (1.536 Mbps) | | | |
| Month-to-Month | 595.00 | 714.00 | |
| One Year | 0.00 | 678.00 | |
| Three Years | 0.00 | 636.00 | |
| Five Years | 0.00 | 581.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2007
BY: Vice President
Durham, North Carolina

Fourth Revised Page 45
Cancels Third Revised Page 45
EFFECTIVE: December 1, 2007

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 1. UNI Port and Access Line, each | | | |
| 56 Kbps | | | |
| Month-to-Month | $495.00 | $ 187.00 | (I) |
| One Year | 0.00 | 182.00 | |
| Three Years | 0.00 | 160.00 | |
| Five Years | 0.00 | 149.00 | |
| 128 Kbps | | | |
| Month-to-Month | 495.00 | 259.00 | |
| One Year | 0.00 | 253.00 | |
| Three Years | 0.00 | 226.00 | |
| Five Years | 0.00 | 215.00 | |
| 256 Kbps | | | |
| Month-to-Month | 595.00 | 424.00 | |
| One Year | 0.00 | 413.00 | |
| Three Years | 0.00 | 380.00 | |
| Five Years | 0.00 | 336.00 | |
| 384 Kbps | | | |
| Month-to-Month | 595.00 | 440.00 | |
| One Year | 0.00 | 429.00 | |
| Three Years | 0.00 | 407.00 | |
| Five Years | 0.00 | 380.00 | |
| DS1 (1.536 Mbps) | | | |
| Month-to-Month | 595.00 | 649.00 | |
| One Year | 0.00 | 616.00 | |
| Three Years | 0.00 | 578.00 | |
| Five Years | 0.00 | 528.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2006
BY: Vice President
Durham, North Carolina

Third Revised Page 45
Cancels Second Revised Page 45
EFFECTIVE: November 29, 2006

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 1. UNI Port and Access Line, each | | | |
| 56 Kbps | | | |
| Month-to-Month | $495.00 | $ 170.00 | (I) |
| One Year | 0.00 | 165.00 | |
| Three Years | 0.00 | 145.00 | |
| Five Years | 0.00 | 135.00 | |
| 128 Kbps | | | |
| Month-to-Month | 495.00 | 235.00 | |
| One Year | 0.00 | 230.00 | |
| Three Years | 0.00 | 205.00 | |
| Five Years | 0.00 | 195.00 | |
| 256 Kbps | | | |
| Month-to-Month | 595.00 | 385.00 | |
| One Year | 0.00 | 375.00 | |
| Three Years | 0.00 | 345.00 | |
| Five Years | 0.00 | 305.00 | |
| 384 Kbps | | | |
| Month-to-Month | 595.00 | 400.00 | |
| One Year | 0.00 | 390.00 | |
| Three Years | 0.00 | 370.00 | |
| Five Years | 0.00 | 345.00 | |
| DS1 (1.536 Mbps) | | | |
| Month-to-Month | 595.00 | 590.00 | |
| One Year | 0.00 | 560.00 | |
| Three Years | 0.00 | 525.00 | |
| Five Years | 0.00 | 480.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18,2003
BY: Vice President
Durham, North Carolina

Second Revised Page 45
Cancels First Revised Page 45
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

(N)

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges**

| | Nonrecurring Charge [1] | Monthly Rate |
|---|---|---|
| 1. UNI Port and Access Line, each | | |
| 56 Kbps | | |
| Month-to-Month | $495.00 | $ 150.00 |
| One Year | 0.00 | 150.00 |
| Three Years | 0.00 | 130.00 |
| Five Years | 0.00 | 120.00 |
| 128 Kbps | | |
| Month-to-Month | 495.00 | 210.00 |
| One Year | 0.00 | 205.00 |
| Three Years | 0.00 | 185.00 |
| Five Years | 0.00 | 170.00 |
| 256 Kbps | | |
| Month-to-Month | 595.00 | 340.00 |
| One Year | 0.00 | 340.00 |
| Three Years | 0.00 | 310.00 |
| Five Years | 0.00 | 280.00 |
| 384 Kbps | | |
| Month-to-Month | 595.00 | 350.00 |
| One Year | 0.00 | 350.00 |
| Three Years | 0.00 | 335.00 |
| Five Years | 0.00 | 315.00 |
| DS1 (1.536 Mbps) | | |
| Month-to-Month | 595.00 | 530.00 |
| One Year | 0.00 | 510.00 |
| Three Years | 0.00 | 480.00 |
| Five Years | 0.00 | 450.00 |

(N)

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
1st Revised Page 45
ISSUED: November 2, 2000
BY: Vice President
Durham, North Carolina
EFFECTIVE: November 21, 2000

## S10. DIGITAL NETWORK SERVICES

(D)

(D)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18, 2003
BY: Vice President
Durham, North Carolina

First Revised Page 45
Cancels Original Page 45
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

(M)

(M)

(M) Material previously appearing on this sheet now appears in S118, Page 16. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 13, 2001
BY: Vice President
Durham, North Carolina

Original Page 45
EFFECTIVE: December 1, 2001

## S10. DIGITAL NETWORK SERVICES

(N)

**S10.3** **Frame Relay Service (Continued)**

**S10.3.5** **Rates and Charges (Continued)**

i.

| | | Nonrecurring Charge | Monthly Rate |
|---|---|---|---|
| (1) | Frame Relay with Port and Access, each | | |
| (a) | 56 Kbps | | |
| | Month-to-Month | $ 295.00 | $110.00 |
| | One Year | 295.00 | 105.00 |
| | Three Years | 295.00 | 95.00 |
| | Five Years | 295.00 | 85.00 |
| (b) | 128 Kbps | | |
| | Month-to-Month | 395.00 | 200.00 |
| | One Year | 395.00 | 190.00 |
| | Three Years | 395.00 | 175.00 |
| | Five Years | 395.00 | 165.00 |
| (c) | 256 Kbps | | |
| | Month-to-Month | 395.00 | 285.00 |
| | One Year | 395.00 | 270.00 |
| | Three Years | 395.00 | 255.00 |
| | Five Years | 395.00 | 240.00 |
| (d) | 384 Kbps | | |
| | Month-to-Month | 395.00 | 365.00 |
| | One Year | 395.00 | 345.00 |
| | Three Years | 395.00 | 335.00 |
| | Five Years | 395.00 | 320.00 |
| (e) | 1.544 Mbps | | |
| | Month-to-Month | 595.00 | 530.00 |
| | One Year | 595.00 | 510.00 |
| | Three Years | 595.00 | 490.00 |
| | Five Years | 595.00 | 470.00 |

(N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: January 31, 1996
BY: Vice President
Durham, North Carolina

Original Page 45

EFFECTIVE: March 19, 1996

## S10. DIGITAL NETWORK SERVICES

(N)

**S10.3** **Frame Relay Service (Continued)**

**S10.3.5** **Rates and Charges (Continued)**

i.

| | | Nonrecurring Charge | GSEC | Monthly Rate | GSEC |
|---|---|---|---|---|---|
| (1) | Frame Relay with Port and Access, each | | | | |
| (a) | 56 Kbps | | | | |
| | Month-to-Month | $ 295.00 | FRALPT56N | $110.00 | FRALPT56 |
| | One Year | 295.00 | FRALPT56NRC | 105.00 | FRALPT56-1 |
| | Three Years | 295.00 | FRALPT56NRC | 95.00 | FRALPT56-3 |
| | Five Years | 295.00 | FRALPT56NRC | 85.00 | FRALPT56-5 |
| (b) | 128 Kbps | | | | |
| | Month-to-Month | 395.00 | FRALPTFT1NRC | 200.00 | FRALPT128 |
| | One Year | 395.00 | FRALPTFT1NRC | 190.00 | FRALPT128-1 |
| | Three Years | 395.00 | FRALPTFT1NRC | 175.00 | FRALPT128-3 |
| | Five Years | 395.00 | FRALPTFT1NRC | 165.00 | FRALPT128-5 |
| (c) | 256 Kbps | | | | |
| | Month-to-Month | 395.00 | FRALPTFT1NRC | 285.00 | FRALPT256 |
| | One Year | 395.00 | FRALPTFT1NRC | 270.00 | FRALPT256-1 |
| | Three Years | 395.00 | FRALPTFT1NRC | 255.00 | FRALPT256-3 |
| | Five Years | 395.00 | FRALPTFT1NRC | 240.00 | FRALPT256-5 |
| (d) | 384 Kbps | | | | |
| | Month-to-Month | 395.00 | FRALPTFT1NRC | 365.00 | FRALPT384 |
| | One Year | 395.00 | FRALPTFT1NRC | 345.00 | FRALPT384-1 |
| | Three Years | 395.00 | FRALPTFT1NRC | 35.00 | FRALPT384-3 |
| | Five Years | 395.00 | FRALPTFT1NRC | 320.00 | FRALPT384-5 |
| (e) | 1.544 Mbps | | | | |
| | Month-to-Month | 595.00 | FRALPTT1NRC | 530. | FRALPTT1 |
| | One Year | 595.00 | FRALPTT1NRC | 510.00 | FRALPTT1-1 |
| | Three Years | 595.00 | FRALPTT1NRC | 490.00 | FRALPTT1-3 |
| | Five Years | 595.00 | FRALPTT1NRC | 470.00 | FRALPTT1-5 |
| (2) | Frame Relay with Port Only, each | | | | |
| (a) | 56 Kbps | | | | |
| | Month-to-Month | 95.00 | FRPRTNRC | 45.00 | FRPRT56 |
| | One Year | 95.00 | FRPRTNRC | 43.00 | FRPRT56-1 |
| | Three Years | 95.00 | FRPRTNRC | 41.00 | FRPRT56-3 |
| | Five Years | 95.00 | FRPRTNRC | 38.00 | FRPRT56-5 |
| (b) | 128 Kbps | | | | |
| | Month-to-Month | 295.00 | FRPRTNRC | 90.00 | FRPRT128 |
| | One Year | 295.00 | FRPRTNRC | 85.00 | FRPRT128-1 |
| | Three Years | 295.00 | FRPRTNRC | 80.00 | FRPRT128-3 |
| | Five Years | 295.00 | FRPRTNRC | 75.00 | FRPRT128-5 |
| (c) | 256 Kbps | | | | |
| | Month-to-Month | 295.00 | FRPRTNRC | 135.00 | FRPRT256 |
| | One Year | 295.00 | FRPRTNRC | 130.00 | FRPRT256-1 (N) |
| | Three Years | 295.00 | FRPRTNRC | 120.00 | FRPRT256-3 |
| | Five Years | 295.00 | FRPRTNRC | 110.00 | FRPRT256-5 |

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 13, 2001
BY: Vice President
Durham, North Carolina

Original Page 45
EFFECTIVE: December 1, 2001

## S10. DIGITAL NETWORK SERVICES

(N)

**S10.3** **Frame Relay Service (Continued)**

**S10.3.5** **Rates and Charges (Continued)**

i.

| | | Nonrecurring Charge | Monthly Rate |
|---|---|---|---|
| (1) | Frame Relay with Port and Access, each | | |
| (a) | 56 Kbps | | |
| | Month-to-Month | $ 295.00 | $110.00 |
| | One Year | 295.00 | 105.00 |
| | Three Years | 295.00 | 95.00 |
| | Five Years | 295.00 | 85.00 |
| (b) | 128 Kbps | | |
| | Month-to-Month | 395.00 | 200.00 |
| | One Year | 395.00 | 190.00 |
| | Three Years | 395.00 | 175.00 |
| | Five Years | 395.00 | 165.00 |
| (c) | 256 Kbps | | |
| | Month-to-Month | 395.00 | 285.00 |
| | One Year | 395.00 | 270.00 |
| | Three Years | 395.00 | 255.00 |
| | Five Years | 395.00 | 240.00 |
| (d) | 384 Kbps | | |
| | Month-to-Month | 395.00 | 365.00 |
| | One Year | 395.00 | 345.00 |
| | Three Years | 395.00 | 335.00 |
| | Five Years | 395.00 | 320.00 |
| (e) | 1.544 Mbps | | |
| | Month-to-Month | 595.00 | 530.00 |
| | One Year | 595.00 | 510.00 |
| | Three Years | 595.00 | 490.00 |
| | Five Years | 595.00 | 470.00 |

(N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 18, 2008
BY: Vice President
Durham, North Carolina

Fifth Revised Page 45.1
Cancels Fourth Revised Page 45.1
EFFECTIVE: December 3, 2008

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 1. UNI Port and Access Line, each (Continued) | | | |
| 4 Mbps | | | |
| Month-to-Month | $795.00 | $ 3,751.00 | (I) |
| One Year | 0.00 | 3,630.00 | |
| Three Years | 0.00 | 3,509.00 | |
| Five Years | 0.00 | 3,388.00 | |
| 6 Mbps | | | |
| Month-to-Month | 795.00 | 3,993.00 | |
| One Year | 0.00 | 3,812.00 | |
| Three Years | 0.00 | 3,630.00 | |
| Five Years | 0.00 | 3,509.00 | |
| 10 Mbps | | | |
| Month-to-Month | 795.00 | 4,417.00 | |
| One Year | 0.00 | 4,235.00 | |
| Three Years | 0.00 | 3,933.00 | |
| Five Years | 0.00 | 3,630.00 | |
| 22 Mbps | | | |
| Month-to-Month | 795.00 | 4,659.00 | |
| One Year | 0.00 | 4,477.00 | |
| Three Years | 0.00 | 4,114.00 | |
| Five Years | 0.00 | 3,630.00 | |
| 44.736 Mbps | | | |
| Month-to-Month | 795.00 | 5,082.00 | |
| One Year | 0.00 | 4,780.00 | |
| Three Years | 0.00 | 4,356.00 | |
| Five Years | 0.00 | 3,872.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2007
BY: Vice President
Durham, North Carolina

Fourth Revised Page 45.1
Cancels Third Revised Page 45.1
EFFECTIVE: December 1, 2007

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 1. UNI Port and Access Line, each (Continued) | | | |
| 4 Mbps | | | |
| Month-to-Month | $795.00 | $ 3,410.00 | (I) |
| One Year | 0.00 | 3,300.00 | |
| Three Years | 0.00 | 3,190.00 | |
| Five Years | 0.00 | 3,080.00 | |
| 6 Mbps | | | |
| Month-to-Month | 795.00 | 3,630.00 | |
| One Year | 0.00 | 3,465.00 | |
| Three Years | 0.00 | 3,300.00 | |
| Five Years | 0.00 | 3,190.00 | |
| 10 Mbps | | | |
| Month-to-Month | 795.00 | 4,015.00 | |
| One Year | 0.00 | 3,850.00 | |
| Three Years | 0.00 | 3,575.00 | |
| Five Years | 0.00 | 3,300.00 | |
| 22 Mbps | | | |
| Month-to-Month | 795.00 | 4,235.00 | |
| One Year | 0.00 | 4,070.00 | |
| Three Years | 0.00 | 3,740.00 | |
| Five Years | 0.00 | 3,300.00 | |
| 44.736 Mbps | | | |
| Month-to-Month | 795.00 | 4,620.00 | |
| One Year | 0.00 | 4,345.00 | |
| Three Years | 0.00 | 3,960.00 | |
| Five Years | 0.00 | 3,520.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2006
BY: Vice President
Durham, North Carolina

Third Revised Page 45.1
Cancels Second Revised Page 45.1
EFFECTIVE: November 29, 2006

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 1. UNI Port and Access Line, each (Continued) | | | |
| 4 Mbps | | | |
| Month-to-Month | $795.00 | $ 3,100.00 | (I) |
| One Year | 0.00 | 3,000.00 | |
| Three Years | 0.00 | 2,900.00 | |
| Five Years | 0.00 | 2,800.00 | |
| 6 Mbps | | | |
| Month-to-Month | 795.00 | 3,300.00 | |
| One Year | 0.00 | 3,150.00 | |
| Three Years | 0.00 | 3,000.00 | |
| Five Years | 0.00 | 2,900.00 | |
| 10 Mbps | | | |
| Month-to-Month | 795.00 | 3,650.00 | |
| One Year | 0.00 | 3,500.00 | |
| Three Years | 0.00 | 3,250.00 | |
| Five Years | 0.00 | 3,000.00 | |
| 22 Mbps | | | |
| Month-to-Month | 795.00 | 3,850.00 | |
| One Year | 0.00 | 3,700.00 | |
| Three Years | 0.00 | 3,400.00 | |
| Five Years | 0.00 | 3,000.00 | |
| 44.736 Mbps | | | |
| Month-to-Month | 795.00 | 4,200.00 | |
| One Year | 0.00 | 3,950.00 | |
| Three Years | 0.00 | 3,600.00 | |
| Five Years | 0.00 | 3,200.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18,2003
BY: Vice President
Durham, North Carolina

Second Revised Page 45.1
Cancels First Revised Page 45.1
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

(N)

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate |
|---|---|---|
| 1. UNI Port and Access Line, each (Continued) | | |
| 4 Mbps | | |
| Month-to-Month | $795.00 | $ 2,650.00 |
| One Year | 0.00 | 2,540.00 |
| Three Years | 0.00 | 2,300.00 |
| Five Years | 0.00 | 2,100.00 |
| 6 Mbps | | |
| Month-to-Month | 795.00 | 3,000.00 |
| One Year | 0.00 | 2,875.00 |
| Three Years | 0.00 | 2,600.00 |
| Five Years | 0.00 | 2,400.00 |
| 10 Mbps | | |
| Month-to-Month | 795.00 | 3,325.00 |
| One Year | 0.00 | 3,180.00 |
| Three Years | 0.00 | 2,850.00 |
| Five Years | 0.00 | 2,650.00 |
| 22 Mbps | | |
| Month-to-Month | 795.00 | 3,500.00 |
| One Year | 0.00 | 3,350.00 |
| Three Years | 0.00 | 3,000.00 |
| Five Years | 0.00 | 2,800.00 |
| 44.736 Mbps | | |
| Month-to-Month | 795.00 | 3,750.00 |
| One Year | 0.00 | 3,550.00 |
| Three Years | 0.00 | 3,175.00 |
| Five Years | 0.00 | 2,950.00 |

(N)

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18, 2003
BY: Vice President
Durham, North Carolina

First Revised Page 45.1
Cancels Original Page 45.1
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

(M)

(M)

(M) Material previously appearing on this sheet now appears in S118, Page 17. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 13, 2001
BY: Vice President
Durham, North Carolina

Original Page 45.1
EFFECTIVE: December 1, 2001

## S10. DIGITAL NETWORK SERVICES

(N)

**S10.3** **Frame Relay Service (Continued)**

**S10.3.5** **Rates and Charges (Continued)**

i.

| | | Nonrecurring Charge | Monthly Rate |
|---|---|---|---|
| (2) | Frame Relay with Port Only, each | | |
| (a) | 56 Kbps | | |
| | Month-to-Month | $95.00 | $45.00 |
| | One Year | 95.00 | 43.00 |
| | Three Years | 95.00 | 41.00 |
| | Five Years | 95.00 | 38.00 |
| (b) | 128 Kbps | | |
| | Month-to-Month | 295.00 | 90.00 |
| | One Year | 295.00 | 85.00 |
| | Three Years | 295.00 | 80.00 |
| | Five Years | 295.00 | 75.00 |
| (c) | 256 Kbps | | |
| | Month-to-Month | 295.00 | 135.00 |
| | One Year | 295.00 | 130.00 |
| | Three Years | 295.00 | 120.00 |
| | Five Years | 295.00 | 110.00 |
| (d) | 384 Kbps | | |
| | Month-to-Month | 295.00 | 190.00 |
| | One Year | 295.00 | 180.00 |
| | Three Years | 295.00 | 170.00 |
| | Five Years | 295.00 | 160.00 |
| (e) | 1.544 Mbps | | |
| | Month-to-Month | 495.00 | 300.00 |
| | One Year | 495.00 | 285.00 |
| | Three Years | 495.00 | 265.00 |
| | Five Years | 495.00 | 245.00 |

(N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 18, 2008
BY: Vice President
Durham, North Carolina

Fifth Revised Page 46
Cancels Fourth Revised Page 46
EFFECTIVE: December 3, 2008

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 2. Port Only | | | |
| (a) UNI Port Only [2], each | | | |
| 56 Kbps | | | |
| Month-to-Month | $ 95.00 | $ 61.00 | (I) |
| One Year | 0.00 | 58.00 | |
| Three Years | 0.00 | 51.00 | |
| Five Years | 0.00 | 45.00 | |
| 128 Kbps | | | |
| Month-to-Month | 150.00 | 107.00 | |
| One Year | 0.00 | 101.00 | |
| Three Years | 0.00 | 94.00 | |
| Five Years | 0.00 | 83.00 | |
| 256 Kbps | | | |
| Month-to-Month | 150.00 | 200.00 | |
| One Year | 0.00 | 188.00 | |
| Three Years | 0.00 | 176.00 | |
| Five Years | 0.00 | 164.00 | |
| 384 Kbps | | | |
| Month-to-Month | 150.00 | 212.00 | |
| One Year | 0.00 | 204.00 | |
| Three Years | 0.00 | 189.00 | |
| Five Years | 0.00 | 172.00 | |
| DS1 (1.536 Mbps) | | | |
| Month-to-Month | 295.00 | 327.00 | |
| One Year | 0.00 | 315.00 | |
| Three Years | 0.00 | 297.00 | |
| Five Years | 0.00 | 276.00 | (I) |

1 Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs
2 Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2007
BY: Vice President
Durham, North Carolina

Fourth Revised Page 46
Cancels Third Revised Page 46
EFFECTIVE: December 1, 2007

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 2. Port Only | | | |
| (a) UNI Port Only [2], each | | | |
| 56 Kbps | | | |
| Month-to-Month | $ 95.00 | $ 55.00 | (I) |
| One Year | 0.00 | 53.00 | |
| Three Years | 0.00 | 46.00 | |
| Five Years | 0.00 | 41.00 | |
| 128 Kbps | | | |
| Month-to-Month | 150.00 | 97.00 | |
| One Year | 0.00 | 92.00 | |
| Three Years | 0.00 | 85.00 | |
| Five Years | 0.00 | 75.00 | |
| 256 Kbps | | | |
| Month-to-Month | 150.00 | 182.00 | |
| One Year | 0.00 | 171.00 | |
| Three Years | 0.00 | 160.00 | |
| Five Years | 0.00 | 149.00 | |
| 384 Kbps | | | |
| Month-to-Month | 150.00 | 193.00 | |
| One Year | 0.00 | 185.00 | |
| Three Years | 0.00 | 172.00 | |
| Five Years | 0.00 | 156.00 | |
| DS1 (1.536 Mbps) | | | |
| Month-to-Month | 295.00 | 297.00 | |
| One Year | 0.00 | 286.00 | |
| Three Years | 0.00 | 270.00 | |
| Five Years | 0.00 | 251.00 | (I) |

1 Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs
2 Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2006
BY: Vice President
Durham, North Carolina

Third Revised Page 46
Cancels Second Revised Page 46
EFFECTIVE: November 29, 2006

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 2. Port Only | | | |
| (a) UNI Port Only [2], each | | | |
| 56 Kbps | | | |
| Month-to-Month | $ 95.00 | $ 50.00 | (I) |
| One Year | 0.00 | 48.00 | |
| Three Years | 0.00 | 42.00 | |
| Five Years | 0.00 | 37.00 | |
| 128 Kbps | | | |
| Month-to-Month | 150.00 | 88.00 | |
| One Year | 0.00 | 84.00 | |
| Three Years | 0.00 | 77.00 | |
| Five Years | 0.00 | 68.00 | |
| 256 Kbps | | | |
| Month-to-Month | 150.00 | 165.00 | |
| One Year | 0.00 | 155.00 | |
| Three Years | 0.00 | 145.00 | |
| Five Years | 0.00 | 135.00 | |
| 384 Kbps | | | |
| Month-to-Month | 150.00 | 175.00 | |
| One Year | 0.00 | 168.00 | |
| Three Years | 0.00 | 156.00 | |
| Five Years | 0.00 | 142.00 | |
| DS1 (1.536 Mbps) | | | |
| Month-to-Month | 295.00 | 270.00 | |
| One Year | 0.00 | 260.00 | |
| Three Years | 0.00 | 245.00 | |
| Five Years | 0.00 | 228.00 | (I) |

1 Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs
2 Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18,2003
BY: Vice President
Durham, North Carolina

Second Revised Page 46
Cancels First Revised Page 46
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate |
|---|---|---|
| 2. Port Only | | |
| (a) UNI Port Only [2], each | | |
| 56 Kbps | | |
| Month-to-Month | $ 95.00 | $ 42.00 |
| One Year | 0.00 | 40.00 |
| Three Years | 0.00 | 35.00 |
| Five Years | 0.00 | 32.00 |
| 128 Kbps | | |
| Month-to-Month | 150.00 | 75.00 |
| One Year | 0.00 | 70.00 |
| Three Years | 0.00 | 65.00 |
| Five Years | 0.00 | 60.00 |
| 256 Kbps | | |
| Month-to-Month | 150.00 | 115.00 |
| One Year | 0.00 | 110.00 |
| Three Years | 0.00 | 105.00 |
| Five Years | 0.00 | 100.00 |
| 384 Kbps | | |
| Month-to-Month | 150.00 | 150.00 |
| One Year | 0.00 | 145.00 |
| Three Years | 0.00 | 140.00 |
| Five Years | 0.00 | 130.00 |
| DS1 (1.536 Mbps) | | |
| Month-to-Month | 295.00 | 225.00 |
| One Year | 0.00 | 220.00 |
| Three Years | 0.00 | 210.00 |
| Five Years | 0.00 | 200.00 (N) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs (N)
[2] Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18, 2003
BY: Vice President
Durham, North Carolina

First Revised Page 46
Cancels Original Page 46
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

(M)

(M)

(M) Material previously appearing on this sheet now appears in S118, Page 18. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: November 2, 2000
BY: Vice President
Durham, North Carolina

1st Revised Page 46

EFFECTIVE: November 21, 2000

## S10. DIGITAL NETWORK SERVICES

(D)

(D)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 13, 2001
BY: Vice President
Durham, North Carolina

Original Page 46
EFFECTIVE: December 1, 2001

## S10. DIGITAL NETWORK SERVICES

(N)

**S10.3** **Frame Relay Service (Continued)**

**S10.3.5** **Rates and Charges (Continued)**

i.

| | Nonrecurring Charge | Monthly Rate |
|---|---|---|
| (3) Additional Frame Relay PVC, each | | |
| Month-to-Month | $20.00 | $8.00 |
| One Year | 20.00 | 7.00 |
| Three Years | 20.00 | 6.00 |
| Five Years | 20.00 | 5.00 |
| (4) Maintenance of Service Charge | | |
| First 30 Minutes | 47.30 | -- |
| Each additional 30 minutes or fraction thereof | 17.00 | -- |

(N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 13, 2001
BY: Vice President
Durham, North Carolina

Original Page 46
EFFECTIVE: December 1, 2001

## S10. DIGITAL NETWORK SERVICES

(N)

**S10.3** **Frame Relay Service (Continued)**

**S10.3.5** **Rates and Charges (Continued)**

i.

| | Nonrecurring Charge | Monthly Rate |
|---|---|---|
| (3) Additional Frame Relay PVC, each | | |
| Month-to-Month | $20.00 | $8.00 |
| One Year | 20.00 | 7.00 |
| Three Years | 20.00 | 6.00 |
| Five Years | 20.00 | 5.00 |
| (5) Maintenance of Service Charge | | |
| First 30 Minutes | 47.30 | -- |
| Each additional 30 minutes or fraction thereof | 17.00 | -- |

(N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: January 31, 1996
BY: Vice President
Durham, North Carolina

Original Page 46
EFFECTIVE: March 19, 1996

## S10. DIGITAL NETWORK SERVICES

**S10.3 Frame Relay Service (Continued)** (N)

**S10.3.5 Rates and Charges (Continued)**

i. (Continued)

| | Nonrecurring Charge | GSEC | Monthly Rate | GSEC |
|---|---|---|---|---|
| (2) Frame Relay with Port only, each (Continued) | | | | |
| (d) 384 Kbps | | | | |
| Month-to-Month | $ 295.00 | FRPRTNRC | $ 190.00 | FRPRT384 |
| One Year | 295.00 | FRPRTNRC | 180.00 | FRPRT384-1 |
| Three Years | 295.00 | FRPRTNRC | 170.00 | FRPRT384-3 |
| Five Years | 295.00 | FRPRTNRC | 160.00 | FRPRT384-5 |
| (e) 1.544 Mbps | | | | |
| Month-to-Month | 495.00 | FRPRTNRC | 300.00 | FRPRTT1 |
| One Year | 495.00 | FRPRTNRC | 285.00 | FRPRTT1-1 |
| Three Years | 495.00 | FRPRTNRC | 265.00 | FRPRTT1-3 |
| Five Years | 495.00 | FRPRTNRC | 245.00 | FRPRTT1-5 |
| (3) Additional Frame Relay Permanent Virtual Connections (PVCs), per PVC | | | | |
| Month-to-Month | 20.00 | FRPVCNRC | 8.00 | FRPVC |
| One Year | 20.00 | FRPVCNRC | 7.00 | FRPVC-1 |
| Three Years | 20.00 | FRPVCNRC | 6.00 | FRPVC-3 |
| Five Years | 20.00 | FRPVCNRC | 5.00 | FRPVC-5 |

(N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 18, 2008
BY: Vice President
Durham, North Carolina

Fifth Revised Page 46.1
Cancels Fourth Revised Page 46.1
EFFECTIVE: December 3, 2008

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 2. Port Only | | | |
| (a) UNI Port Only [2], each (Continued) | | | |
| 4 Mbps | | | |
| Month-to-Month | $ 395.00 | $ 968.00 | (I) |
| One Year | 0.00 | 938.00 | |
| Three Years | 0.00 | 908.00 | |
| Five Years | 0.00 | 817.00 | |
| 6 Mbps | | | |
| Month-to-Month | 395.00 | 1,029.00 | |
| One Year | 0.00 | 999.00 | |
| Three Years | 0.00 | 938.00 | |
| Five Years | 0.00 | 847.00 | |
| 10 Mbps | | | |
| Month-to-Month | 395.00 | 1,120.00 | |
| One Year | 0.00 | 1,089.00 | |
| Three Years | 0.00 | 1,029.00 | |
| Five Years | 0.00 | 908.00 | |
| 22 Mbps | | | |
| Month-to-Month | 395.00 | 1,180.00 | |
| One Year | 0.00 | 1,120.00 | |
| Three Years | 0.00 | 1,059.00 | |
| Five Years | 0.00 | 938.00 | |
| DS3 (44.736 Mbps) | | | |
| Month-to-Month | 395.00 | 1,331.00 | |
| One Year | 0.00 | 1,241.00 | |
| Three Years | 0.00 | 1,150.00 | |
| Five Years | 0.00 | 1,029.00 | (I) |

1 Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs
2 Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2007
BY: Vice President
Durham, North Carolina

Fourth Revised Page 46.1
Cancels Third Revised Page 46.1
EFFECTIVE: December 1, 2007

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 2. Port Only | | | |
| (a) UNI Port Only [2], each (Continued) | | | |
| 4 Mbps | | | |
| Month-to-Month | $ 395.00 | $ 880.00 | (I) |
| One Year | 0.00 | 853.00 | |
| Three Years | 0.00 | 825.00 | |
| Five Years | 0.00 | 743.00 | |
| 6 Mbps | | | |
| Month-to-Month | 395.00 | 935.00 | |
| One Year | 0.00 | 908.00 | |
| Three Years | 0.00 | 853.00 | |
| Five Years | 0.00 | 770.00 | |
| 10 Mbps | | | |
| Month-to-Month | 395.00 | 1,018.00 | |
| One Year | 0.00 | 990.00 | |
| Three Years | 0.00 | 935.00 | |
| Five Years | 0.00 | 825.00 | |
| 22 Mbps | | | |
| Month-to-Month | 395.00 | 1,073.00 | |
| One Year | 0.00 | 1,018.00 | |
| Three Years | 0.00 | 963.00 | |
| Five Years | 0.00 | 853.00 | |
| DS3 (44.736 Mbps) | | | |
| Month-to-Month | 395.00 | 1,210.00 | |
| One Year | 0.00 | 1,128.00 | |
| Three Years | 0.00 | 1,045.00 | |
| Five Years | 0.00 | 935.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs

3 Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2006
BY: Vice President
Durham, North Carolina

Third Revised Page 46.1
Cancels Second Revised Page 46.1
EFFECTIVE: November 29, 2006

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 2. Port Only | | | |
| (a) UNI Port Only [2], each (Continued) | | | |
| 4 Mbps | | | |
| Month-to-Month | $ 395.00 | $ 800.00 | (I) |
| One Year | 0.00 | 775.00 | \| |
| Three Years | 0.00 | 750.00 | \| |
| Five Years | 0.00 | 675.00 | \| |
| 6 Mbps | | | \| |
| Month-to-Month | 395.00 | 850.00 | \| |
| One Year | 0.00 | 825.00 | \| |
| Three Years | 0.00 | 775.00 | \| |
| Five Years | 0.00 | 700.00 | \| |
| 10 Mbps | | | \| |
| Month-to-Month | 395.00 | 925.00 | \| |
| One Year | 0.00 | 900.00 | \| |
| Three Years | 0.00 | 850.00 | \| |
| Five Years | 0.00 | 750.00 | \| |
| 22 Mbps | | | \| |
| Month-to-Month | 395.00 | 975.00 | \| |
| One Year | 0.00 | 925.00 | \| |
| Three Years | 0.00 | 875.00 | (I) |
| Five Years | 0.00 | 775.00 | (R) |
| DS3 (44.736 Mbps) | | | |
| Month-to-Month | 395.00 | 1,100.00 | (I) |
| One Year | 0.00 | 1,025.00 | \| |
| Three Years | 0.00 | 950.00 | \| |
| Five Years | 0.00 | 850.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs

4 Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18,2003
BY: Vice President
Durham, North Carolina

Second Revised Page 46.1
Cancels First Revised Page 46.1
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate |
|---|---|---|
| 2. Port Only | | |
| (a) UNI Port Only [2], each (Continued) | | |
| 4 Mbps | | |
| Month-to-Month | $ 395.00 | $ 685.00 |
| One Year | 0.00 | 670.00 |
| Three Years | 0.00 | 655.00 |
| Five Years | 0.00 | 640.00 |
| 6 Mbps | | |
| Month-to-Month | 395.00 | 735.00 |
| One Year | 0.00 | 720.00 |
| Three Years | 0.00 | 705.00 |
| Five Years | 0.00 | 690.00 |
| 10 Mbps | | |
| Month-to-Month | 395.00 | 785.00 |
| One Year | 0.00 | 770.00 |
| Three Years | 0.00 | 755.00 |
| Five Years | 0.00 | 740.00 |
| 22 Mbps | | |
| Month-to-Month | 395.00 | 835.00 |
| One Year | 0.00 | 820.00 |
| Three Years | 0.00 | 805.00 |
| Five Years | 0.00 | 790.00 |
| DS3 (44.736 Mbps) | | |
| Month-to-Month | 395.00 | 900.00 |
| One Year | 0.00 | 870.00 |
| Three Years | 0.00 | 855.00 |
| Five Years | 0.00 | 840.00 |

(N)

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs (N)
5 Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities. (N)

* Material previously appearing on this page now appears on Page 47. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: JULY 11, 2001
BY: Vice President
Durham, North Carolina



EFFECTIV

## S10. DIGITAL NETWORK SERVICES

### S10.4 Digital (ISDN) Single Line Service

#### S10.4.1 General

a. Digital (ISDN) Single Line Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices where operating conditions permit. Digital (ISDN) Single Line Service utilizes Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) technology. It is a central office based service arrangement which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, and features.

#### S10.4.2 Conditions

a. If resale is allowed, the resold services are to be restricted to the same uses and users as the Compnay's retail services. If resold, the following options shall apply: (T)

Business Service
- Measured (as specified in p. following)
- Blocks of Time (50 Hours, 100 Hours, Overtime $.03/minute)

Residence Service
- Blocks of Time (25 Hours, 50 Hours, Overtime $.03/minute)
- Flat Rate (as specified in p. following)

b. Digital (ISDN) Single Line Service is available where central office and operating facilities and conditions permit.

c. One customer bill will be rendered for each Digital (ISDN) Single Line Service.

d. Digital (ISDN) Single Line Service is offered on a monthly basis or a term commitment commencing on the date the service is established. (T)

e. Digital (ISDN) Single Line Service Line and Feature Packages rates apply each month from the time the system is placed in service. (T)

f. If remote units are required to provide switching capabilities for intracommunication purposes, they will be located on Company provided sites located on the customer's premises. Any remote units and all system cabling used in association with Digital (ISDN) Single Line Service are provided by and remain the property of the Company.

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: February 16, 1996
BY: Vice President
Durham, North Carolina

Original Page 46.1
EFFECTIVE: March 26, 1996

## S10. DIGITAL NETWORK SERVICES

### S10.4 Digital (ISDN) Single Line Service (N)

#### S10.4.1 General

a. Digital (ISDN) Single Line Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices where operating conditions permit. Digital (ISDN) Single Line Service utilizes Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) technology. It is a central office based service arrangement which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, and features.

#### S10.4.2 Conditions

a. If resale is allowed, the resold services are to be restricted to the same uses and users as GTE's retail services. If resold, the following options shall apply:

Business Service
- Measured (as specified in p. following)
- Blocks of Time (50 Hours, 100 Hours, Overtime $.03/minute)

Residence Service
- Blocks of Time (25 Hours, 50 Hours, Overtime $.03/minute)
- Flat Rate (as specified in p. following)

b. Digital (ISDN) Single Line Service is available where central office and operating facilities and conditions permit.

c. One customer bill will be rendered for each Digital (ISDN) Single Line Service.

d. Digital (ISDN) Single Line Service is offered on a monthly basis or a contractual basis commencing on the date the service is established.

e. Digital (ISDN) Single Line Service Line and Feature Packages rates apply each month from the time the system is placed in service until the Digital (ISDN) Single Line Service is discontinued.

f. If remote units are required to provide switching capabilities for intracommunication purposes, they will be located on Company provided sites located on the customer's premises. Any remote units and all system cabling used in association with Digital (ISDN) Single Line Service are provided by and remain the property of the Company. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 18, 2008
BY: Vice President
Durham, North Carolina

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EFFECTIVE: December 3, 2008

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 2. Port Only (Continued) | | | |
| (b) Private NNI Port Only [2], each | | | |
| 384 Kbps | | | |
| Month-to-Month | $ 150.00 | $ 212.00 | (I) |
| One Year | 0.00 | 204.00 | |
| Three Years | 0.00 | 189.00 | |
| Five Years | 0.00 | 172.00 | |
| DS1 (1.536 Mbps) | | | |
| Month-to-Month | 295.00 | 327.00 | |
| One Year | 0.00 | 315.00 | |
| Three Years | 0.00 | 297.00 | |
| Five Years | 0.00 | 276.00 | |
| DS3 (44.736Mbps) | | | |
| Month-to-Month | 395.00 | 1,331.00 | |
| One Year | 0.00 | 1,241.00 | |
| Three Years | 0.00 | 1,150.00 | |
| Five Years | 0.00 | 1,029.00 | (I) |

1 Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs
2 Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2007
BY: Vice President
Durham, North Carolina

Second Revised Page 46.2
Cancels First Revised Page 46.2
EFFECTIVE: December 1, 2007

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 2. Port Only (Continued) | | | |
| (b) Private NNI Port Only [2], each | | | |
| 384 Kbps | | | |
| Month-to-Month | $ 150.00 | $ 193.00 | (I) |
| One Year | 0.00 | 185.00 | |
| Three Years | 0.00 | 172.00 | |
| Five Years | 0.00 | 156.00 | |
| DS1 (1.536 Mbps) | | | |
| Month-to-Month | 295.00 | 297.00 | |
| One Year | 0.00 | 286.00 | |
| Three Years | 0.00 | 270.00 | |
| Five Years | 0.00 | 251.00 | |
| DS3 (44.736Mbps) | | | |
| Month-to-Month | 395.00 | 1,210.00 | |
| One Year | 0.00 | 1,128.00 | |
| Three Years | 0.00 | 1,045.00 | |
| Five Years | 0.00 | 935.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs
[2] Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2006
BY: Vice President
Durham, North Carolina

First Revised Page 46.2
Cancels Original Page 46.2
EFFECTIVE: November 29, 2006

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate | |
|---|---|---|---|
| 2. Port Only (Continued) | | | |
| (b) Private NNI Port Only [2], each | | | |
| 384 Kbps | | | |
| Month-to-Month | $ 150.00 | $ 175.00 | (I) |
| One Year | 0.00 | 168.00 | \| |
| Three Years | 0.00 | 156.00 | \| |
| Five Years | 0.00 | 142.00 | \| |
| DS1 (1.536 Mbps) | | | \| |
| Month-to-Month | 295.00 | 270.00 | \| |
| One Year | 0.00 | 260.00 | \| |
| Three Years | 0.00 | 245.00 | \| |
| Five Years | 0.00 | 228.00 | \| |
| DS3 (44.736Mbps) | | | \| |
| Month-to-Month | 395.00 | 1,100.00 | \| |
| One Year | 0.00 | 1,025.00 | \| |
| Three Years | 0.00 | 950.00 | \| |
| Five Years | 0.00 | 850.00 | (I) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs
[2] Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18,2003
BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.8 Rates and Charges (Continued)**

| | Nonrecurring Charge [1] | Monthly Rate |
|---|---|---|
| 2. Port Only (Continued) | | |
| (b) Private NNI Port Only [2], each | | |
| 384 Kbps | | |
| Month-to-Month | $ 150.00 | $ 150.00 |
| One Year | 0.00 | 145.00 |
| Three Years | 0.00 | 140.00 |
| Five Years | 0.00 | 130.00 |
| DS1 (1.536 Mbps) | | |
| Month-to-Month | 295.00 | 225.00 |
| One Year | 0.00 | 220.00 |
| Three Years | 0.00 | 210.00 |
| Five Years | 0.00 | 200.00 |
| DS3 (44.736Mbps) | | |
| Month-to-Month | 395.00 | 900.00 |
| One Year | 0.00 | 870.00 |
| Three Years | 0.00 | 855.00 |
| Five Years | 0.00 | 840.00 (N) |

[1] Applies in lieu of service charges found elsewhere in this tariff or other Company tariffs (N)
[2] Refer to 10.3.2 b. 2. for the regulations associated with Port Only digital access facilities. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 18, 2008
BY: Vice President
Durham, North Carolina

Second Revised Page 46.3
Cancels First Revised Page 46.3
EFFECTIVE: December 3, 2008

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC

| (a) Intrazone | Monthly Rate | |
|---|---|---|
| 4 Kbps | $ 5.00 | (I) |
| 8 Kbps | 7.00 | \| |
| 16 Kbps | 8.00 | \| |
| 28 Kbps | 9.00 | \| |
| 32 Kbps | 10.00 | \| |
| 42 Kbps | 13.00 | \| |
| 48 Kbps | 15.00 | \| |
| 64 Kbps | 19.00 | \| |
| 96 Kbps | 26.00 | \| |
| 128 Kbps | 33.00 | \| |
| 192 Kbps | 44.00 | \| |
| 256 Kbps | 51.00 | \| |
| 288 Kbps | 58.00 | \| |
| 384 Kbps | 65.00 | \| |
| 512 Kbps | 73.00 | \| |
| 576 Kbps | 79.00 | \| |
| 768 Kbps | 85.00 | \| |
| 1152 Kbps | 97.00 | \| |
| 1536 Kbps | 109.00 | (I) |

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2007
BY: Vice President
Durham, North Carolina

First Revised Page 46.3
Cancels Original Page 46.3
EFFECTIVE: December 1, 2007

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC

| (a) Intrazone | Monthly Rate | |
|---|---|---|
| 4 Kbps | $ 4.00 | |
| 8 Kbps | 6.00 | (I) |
| 16 Kbps | 7.00 | \| |
| 28 Kbps | 8.00 | \| |
| 32 Kbps | 9.00 | \| |
| 42 Kbps | 12.00 | \| |
| 48 Kbps | 14.00 | \| |
| 64 Kbps | 17.00 | \| |
| 96 Kbps | 24.00 | \| |
| 128 Kbps | 30.00 | \| |
| 192 Kbps | 40.00 | \| |
| 256 Kbps | 46.00 | \| |
| 288 Kbps | 53.00 | \| |
| 384 Kbps | 59.00 | \| |
| 512 Kbps | 66.00 | \| |
| 576 Kbps | 72.00 | \| |
| 768 Kbps | 77.00 | \| |
| 1152 Kbps | 88.00 | \| |
| 1536 Kbps | 99.00 | (I) |

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18,2003
BY: Vice President
Durham, North Carolina

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EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC

| (a) Intrazone | Monthly Rate |
|---|---|
| 4 Kbps | $ 4.00 |
| 8 Kbps | 5.00 |
| 16 Kbps | 6.00 |
| 28 Kbps | 7.00 |
| 32 Kbps | 8.00 |
| 42 Kbps | 11.00 |
| 48 Kbps | 13.00 |
| 64 Kbps | 15.00 |
| 96 Kbps | 22.00 |
| 128 Kbps | 27.00 |
| 192 Kbps | 36.00 |
| 256 Kbps | 42.00 |
| 288 Kbps | 48.00 |
| 384 Kbps | 54.00 |
| 512 Kbps | 60.00 |
| 576 Kbps | 65.00 |
| 768 Kbps | 70.00 |
| 1152 Kbps | 80.00 |
| 1536 Kbps | 90.00 (N) |

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 18, 2008
BY: Vice President
Durham, North Carolina

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Cancels Third Revised Page 46.4
EFFECTIVE: December 3, 2008

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC (Continued)

(a) Intrazone (Continued)

| | Monthly Rate | |
|---|---|---|
| 2 Mbps | 121.00 | (I) |
| 3 Mbps | 145.00 | \| |
| 4 Mbps | 169.00 | \| |
| 5 Mbps | 218.00 | \| |
| 6 Mbps | 266.00 | \| |
| 7 Mbps | 315.00 | \| |
| 8 Mbps | 363.00 | \| |
| 9 Mbps | 411.00 | \| |
| 10 Mbps | 460.00 | \| |
| 11 Mbps | 496.00 | \| |
| 12 Mbps | 532.00 | \| |
| 13 Mbps | 557.00 | \| |
| 14 Mbps | 581.00 | \| |
| 15 Mbps | 605.00 | \| |
| 16 Mbps | 629.00 | \| |
| 17 Mbps | 653.00 | \| |
| 18 Mbps | 678.00 | \| |
| 19 Mbps | 702.00 | \| |
| 20 Mbps | 733.00 | \| |
| 21 Mbps | 774.00 | \| |
| 22 Mbps | 817.00 | (I) |

(b) Multi-jurisdictional [1]

| | | Nonrecurring Charge[2] |
|---|---|---|
| 4. | Subsequent PVC CIR Charge, per PVC CIR | $ 20.00 |
| 5. | Backup UNI, Per Activation | 200.00 |
| 6. | Software Change Charge, Per Order, Per UNI or Private NNI | 30.00 |

[1] A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

[2] Applies in lieu of service charges found elsewhere in the Tariff or other Company Tariffs.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2007
BY: Vice President
Durham, North Carolina

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Cancels Second Revised Page 46.4
EFFECTIVE: December 1, 2007

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC (Continued)

(a) Intrazone (Continued)

| | Monthly Rate | |
|---|---|---|
| 2 Mbps | 110.00 | (I) |
| 3 Mbps | 132.00 | \| |
| 4 Mbps | 154.00 | \| |
| 5 Mbps | 198.00 | \| |
| 6 Mbps | 242.00 | \| |
| 7 Mbps | 286.00 | \| |
| 8 Mbps | 330.00 | \| |
| 9 Mbps | 374.00 | \| |
| 10 Mbps | 418.00 | \| |
| 11 Mbps | 451.00 | \| |
| 12 Mbps | 484.00 | \| |
| 13 Mbps | 506.00 | \| |
| 14 Mbps | 528.00 | \| |
| 15 Mbps | 550.00 | \| |
| 16 Mbps | 572.00 | \| |
| 17 Mbps | 594.00 | \| |
| 18 Mbps | 616.00 | \| |
| 19 Mbps | 638.00 | \| |
| 20 Mbps | 666.00 | \| |
| 21 Mbps | 704.00 | \| |
| 22 Mbps | 743.00 | (I) |

(b) Multi-jurisdictional [1]

| | | Nonrecurring Charge[2] |
|---|---|---|
| 4. | Subsequent PVC CIR Charge, per PVC CIR | $ 20.00 |
| 5. | Backup UNI, Per Activation | 200.00 |
| 6. | Software Change Charge, Per Order, Per UNI or Private NNI | 30.00 |

[1] A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

[2] Applies in lieu of service charges found elsewhere in the Tariff or other Company Tariffs.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: December 4, 2006
BY: Vice President
Durham, North Carolina

Second Revised Page 46.4
Cancels First Revised Page 46.4
EFFECTIVE: December 19, 2006

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC (Continued)

(a) Intrazone (Continued)

| | Monthly Rate |
|---|---|
| 2 Mbps | 100.00 |
| 3 Mbps | 120.00 |
| 4 Mbps | 140.00 |
| 5 Mbps | 180.00 |
| 6 Mbps | 220.00 |
| 7 Mbps | 260.00 |
| 8 Mbps | 300.00 |
| 9 Mbps | 340.00 |
| 10 Mbps | 380.00 |
| 11 Mbps | 410.00 |
| 12 Mbps | 440.00 |
| 13 Mbps | 460.00 |
| 14 Mbps | 480.00 |
| 15 Mbps | 500.00 |
| 16 Mbps | 520.00 |
| 17 Mbps | 540.00 |
| 18 Mbps | 560.00 |
| 19 Mbps | 580.00 |
| 20 Mbps | 605.00 |
| 21 Mbps | 640.00 |
| 22 Mbps | 675.00 |

(b) Multi-jurisdictional [1]

| | | Nonrecurring Charge[2] | |
|---|---|---|---|
| 4. | Subsequent PVC CIR Charge, per PVC CIR | $ 20.00 | (N) |
| 5. | Backup UNI, Per Activation | 200.00 | (T) |
| 6. | Software Change Charge, Per Order, Per UNI or Private NNI | 30.00 | (T) |

[1] A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

[2] Applies in lieu of service charges found elsewhere in the Tariff or other Company Tariffs.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: September 5, 2003
BY: Vice President
Durham, North Carolina

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EFFECTIVE: September 14, 2003

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC (Continued)

(a) Intrazone (Continued)

| | Monthly Rate |
|---|---|
| 2 Mbps | 100.00 |
| 3 Mbps | 120.00 |
| 4 Mbps | 140.00 |
| 5 Mbps | 180.00 |
| 6 Mbps | 220.00 |
| 7 Mbps | 260.00 |
| 8 Mbps | 300.00 |
| 9 Mbps | 340.00 |
| 10 Mbps | 380.00 |
| 11 Mbps | 410.00 |
| 12 Mbps | 440.00 |
| 13 Mbps | 460.00 |
| 14 Mbps | 480.00 |
| 15 Mbps | 500.00 |
| 16 Mbps | 520.00 |
| 17 Mbps | 540.00 |
| 18 Mbps | 560.00 |
| 19 Mbps | 580.00 |
| 20 Mbps | 605.00 |
| 21 Mbps | 640.00 |
| 22 Mbps | 675.00 |

(b) Multi-jurisdictional [1]

| | Nonrecurring Charge[2] | |
|---|---|---|
| 4. Backup UNI, Per Activation | $ 200.00 | (N) |
| 5. Software Change Charge, Per Order, Per UNI or Private NNI | 30.00 | (N) |

1 A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable.

2 Applies in lieu of service charges found elsewhere in the Tariff or other Company Tariffs. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18,2003
BY: Vice President
Durham, North Carolina

Original Page 46.4
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC (Continued)

(a) Intrazone (Continued)

| | Monthly Rate |
|---|---|
| 2 Mbps | 100.00 |
| 3 Mbps | 120.00 |
| 4 Mbps | 140.00 |
| 5 Mbps | 180.00 |
| 6 Mbps | 220.00 |
| 7 Mbps | 260.00 |
| 8 Mbps | 300.00 |
| 9 Mbps | 340.00 |
| 10 Mbps | 380.00 |
| 11 Mbps | 410.00 |
| 12 Mbps | 440.00 |
| 13 Mbps | 460.00 |
| 14 Mbps | 480.00 |
| 15 Mbps | 500.00 |
| 16 Mbps | 520.00 |
| 17 Mbps | 540.00 |
| 18 Mbps | 560.00 |
| 19 Mbps | 580.00 |
| 20 Mbps | 605.00 |
| 21 Mbps | 640.00 |
| 22 Mbps | 675.00 |

(b) Multi-jurisdictional [1] (N)

[1] A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Company's FCC Frame Relay tariff are applicable. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 18, 2008
BY: Vice President
Durham, North Carolina

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EFFECTIVE: December 3, 2008

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC (Continued)

| (c) Public NNI | Monthly Rate | |
|---|---|---|
| 4 Kbps | $ 17.00 | (I) |
| 8 Kbps | 19.00 | \| |
| 16 Kbps | 20.00 | \| |
| 28 Kbps | 21.00 | \| |
| 32 Kbps | 22.00 | \| |
| 42 Kbps | 25.00 | \| |
| 48 Kbps | 28.00 | \| |
| 64 Kbps | 31.00 | \| |
| 96 Kbps | 39.00 | \| |
| 128 Kbps | 45.00 | \| |
| 192 Kbps | 56.00 | \| |
| 256 Kbps | 63.00 | \| |
| 288 Kbps | 70.00 | \| |
| 384 Kbps | 77.00 | \| |
| 512 Kbps | 85.00 | \| |
| 576 Kbps | 91.00 | \| |
| 768 Kbps | 97.00 | \| |
| 1152 Kbps | 109.00 | \| |
| 1.536 Mbps | 121.00 | \| |
| 2 Mbps | 140.00 | \| |
| 3 Mbps | 164.00 | \| |
| 4 Mbps | 188.00 | \| |
| 5 Mbps | 237.00 | \| |
| 6 Mbps | 285.00 | \| |
| 7 Mbps | 333.00 | \| |
| 8 Mbps | 382.00 | \| |
| 9 Mbps | 430.00 | \| |
| 10 Mbps | 479.00 | \| |
| 11 Mbps | 515.00 | \| |
| 12 Mbps | 551.00 | \| |
| 13 Mbps | 575.00 | \| |
| 14 Mbps | 600.00 | \| |
| 15 Mbps | 624.00 | \| |
| 16 Mbps | 653.00 | \| |
| 17 Mbps | 678.00 | \| |
| 18 Mbps | 702.00 | \| |
| 19 Mbps | 726.00 | \| |
| 20 Mbps | 757.00 | \| |
| 21 Mbps | 799.00 | \| |
| 22 Mbps | 842.00 | (I) |
| (d) Frame Relay to ATM Service Interworking | No Charge | |

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2007
BY: Vice President
Durham, North Carolina

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EFFECTIVE: December 1, 2007

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC (Continued)

| (c) Public NNI | Monthly Rate |
|---|---|
| 4 Kbps | $ 15.00 (I) |
| 8 Kbps | 17.00 \| |
| 16 Kbps | 18.00 \| |
| 28 Kbps | 19.00 \| |
| 32 Kbps | 20.00 \| |
| 42 Kbps | 23.00 \| |
| 48 Kbps | 25.00 \| |
| 64 Kbps | 28.00 \| |
| 96 Kbps | 35.00 \| |
| 128 Kbps | 41.00 \| |
| 192 Kbps | 51.00 \| |
| 256 Kbps | 57.00 \| |
| 288 Kbps | 64.00 \| |
| 384 Kbps | 70.00 \| |
| 512 Kbps | 77.00 \| |
| 576 Kbps | 83.00 \| |
| 768 Kbps | 88.00 \| |
| 1152 Kbps | 99.00 \| |
| 1.536 Mbps | 110.00 \| |
| 2 Mbps | 127.00 \| |
| 3 Mbps | 149.00 \| |
| 4 Mbps | 171.00 \| |
| 5 Mbps | 215.00 \| |
| 6 Mbps | 259.00 \| |
| 7 Mbps | 303.00 \| |
| 8 Mbps | 347.00 \| |
| 9 Mbps | 391.00 \| |
| 10 Mbps | 435.00 \| |
| 11 Mbps | 468.00 \| |
| 12 Mbps | 501.00 \| |
| 13 Mbps | 523.00 \| |
| 14 Mbps | 545.00 \| |
| 15 Mbps | 567.00 \| |
| 16 Mbps | 594.00 \| |
| 17 Mbps | 616.00 \| |
| 18 Mbps | 638.00 \| |
| 19 Mbps | 660.00 \| |
| 20 Mbps | 688.00 \| |
| 21 Mbps | 726.00 \| |
| 22 Mbps | 765.00 (I) |
| (d) Frame Relay to ATM Service Interworking | No Charge |

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: June 1, 2004
BY: Vice President
Durham, North Carolina

First Revised Page 46.5
Cancels Original Page 46.5
EFFECTIVE: June 17, 2004

## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)**

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC (Continued)

| (c) Public NNI | Monthly Rate |
|---|---|
| 4 Kbps | $ 14.00 |
| 8 Kbps | 15.00 |
| 16 Kbps | 16.00 |
| 28 Kbps | 17.00 |
| 32 Kbps | 18.00 |
| 42 Kbps | 21.00 |
| 48 Kbps | 23.00 |
| 64 Kbps | 25.00 |
| 96 Kbps | 32.00 |
| 128 Kbps | 37.00 |
| 192 Kbps | 46.00 |
| 256 Kbps | 52.00 |
| 288 Kbps | 58.00 |
| 384 Kbps | 64.00 |
| 512 Kbps | 70.00 |
| 576 Kbps | 75.00 |
| 768 Kbps | 80.00 |
| 1152 Kbps | 90.00 |
| 1.536 Mbps | 100.00 |
| 2 Mbps | 115.00 |
| 3 Mbps | 135.00 |
| 4 Mbps | 155.00 |
| 5 Mbps | 195.00 |
| 6 Mbps | 235.00 |
| 7 Mbps | 275.00 |
| 8 Mbps | 315.00 |
| 9 Mbps | 355.00 |
| 10 Mbps | 395.00 |
| 11 Mbps | 425.00 |
| 12 Mbps | 455.00 |
| 13 Mbps | 475.00 |
| 14 Mbps | 495.00 |
| 15 Mbps | 515.00 |
| 16 Mbps | 540.00 |
| 17 Mbps | 560.00 |
| 18 Mbps | 580.00 |
| 19 Mbps | 600.00 |
| 20 Mbps | 625.00 |
| 21 Mbps | 660.00 |
| 22 Mbps | 695.00 |
| (d) Frame Relay to ATM Service Interworking | No Charge (N) |

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18,2003
BY: Vice President
Durham, North Carolina

Original Page 46.5
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## S10. DIGITAL NETWORK SERVICES

**10.3 Frame Relay Service (Continued)** (N)

**10.3.8 Rates and Charges (Continued)**

3. PVC CIR , per PVC (Continued)

| (c) Public NNI | Monthly Rate |
|---|---|
| 4 Kbps | $ 14.00 |
| 8 Kbps | 15.00 |
| 16 Kbps | 16.00 |
| 28 Kbps | 17.00 |
| 32 Kbps | 18.00 |
| 42 Kbps | 21.00 |
| 48 Kbps | 23.00 |
| 64 Kbps | 25.00 |
| 96 Kbps | 32.00 |
| 128 Kbps | 37.00 |
| 192 Kbps | 46.00 |
| 256 Kbps | 52.00 |
| 288 Kbps | 58.00 |
| 384 Kbps | 64.00 |
| 512 Kbps | 70.00 |
| 576 Kbps | 75.00 |
| 768 Kbps | 80.00 |
| 1152 Kbps | 90.00 |
| 1.536 Mbps | 100.00 |
| 2 Mbps | 115.00 |
| 3 Mbps | 135.00 |
| 4 Mbps | 155.00 |
| 5 Mbps | 195.00 |
| 6 Mbps | 235.00 |
| 7 Mbps | 275.00 |
| 8 Mbps | 315.00 |
| 9 Mbps | 355.00 |
| 10 Mbps | 395.00 |
| 11 Mbps | 425.00 |
| 12 Mbps | 455.00 |
| 13 Mbps | 475.00 |
| 14 Mbps | 495.00 |
| 15 Mbps | 515.00 |
| 16 Mbps | 540.00 |
| 17 Mbps | 560.00 |
| 18 Mbps | 580.00 |
| 19 Mbps | 600.00 |
| 20 Mbps | 625.00 |
| 21 Mbps | 660.00 |
| 22 Mbps | 695.00 |

(N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: April 18,2003
BY: Vice President
Durham, North Carolina

First Revised Page 47
Cancels Original Page 47
EFFECTIVE: May 1, 2003

## S10. DIGITAL NETWORK SERVICES

### S10.4 Digital (ISDN) Single Line Service

#### S10.4.1 General

a. Digital (ISDN) Single Line Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices where operating conditions permit. Digital (ISDN) Single Line Service utilizes Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) technology. It is a central office based service arrangement which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, and features.

#### S10.4.2 Conditions

a. If resale is allowed, the resold services are to be restricted to the same uses and users as the Company's retail services. If resold, the following options shall apply:

Business Service
- Measured (as specified in p. following)
- Blocks of Time (50 Hours, 100 Hours, Overtime $.03/minute)

Residence Service
- Blocks of Time (25 Hours, 50 Hours, Overtime $.03/minute)
- Flat Rate (as specified in p. following)

b. Digital (ISDN) Single Line Service is available where central office and operating facilities and conditions permit.

c. One customer bill will be rendered for each Digital (ISDN) Single Line Service.

d. Digital (ISDN) Single Line Service is offered on a monthly basis or a term commitment commencing on the date the service is established.

e. Digital (ISDN) Single Line Service Line and Feature Packages rates apply each month from the time the system is placed in service.

f. If remote units are required to provide switching capabilities for intracommunication purposes, they will be located on Company provided sites located on the customer's premises. Any remote units and all system cabling used in association with Digital (ISDN) Single Line Service are provided by and remain the property of the Company.

* Material now appearing on this page previously appeared on Page 46.1. (N)
* Material previously appearing on this page now appears on Page 47.1. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

Original Page 47

EFFECTIVE: March 26, 1996

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.2 Conditions (Continued)**

g. Rates and charges for Digital (ISDN) Single Line Service contemplate the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special service arrangement rates and charges may be applied in addition to those shown herein.

h. If ISDN is not available from a customer's normal serving central office, GTE may choose, at the company's discretion, to provide service from the nearest ISDN-capable office. In this instance, the Foreign Central Office/Foreign Exchange Facility Charge as specified in Section S10.4.5 and the Foreign Central Office Special Transport Charge as specified in Section S9.2.2 of this Tariff shall apply.

If ISDN is available from a customer's normal serving central office, the customer must accept service from that office and ISDN Foreign Central Office/Foreign Exchange is not available to the customer.

At the Company's discretion, should the customer be served from a central office/exchange, at the Company's discretion, with a different local calling scope from the customer's normal serving central office/exchange, the Foreign Central Office/Foreign Exchange Facility charge as specified in Section S10.4.5 and the Foreign Exchange Special Transport charges as specified in Section S9.1.3 of this Tariff shall apply.

When ISDN service becomes available from the customer's normal serving central office, the customer will accept a number change to a number associated with the ISDN serving central office. The customer will be subject to calling areas associated with the normal serving central office, as specified in GTE's tariffs. If the customer does not wish to take ISDN service from the normal serving central office after the service is available from his office, but continues to utilize service from an alternate serving central office, then charges as outlined above will continue to apply. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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EFFECTIVE: May 1, 2003

**S10. DIGITAL NETWORK SERVICES**

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.2 Conditions (Continued)**

g. Rates and charges for Digital (ISDN) Single Line Service contemplate the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special service arrangement rates and charges may be applied in addition to those shown herein.

h. If ISDN is not available from a customer's normal serving central office, GTE may choose, at the company's discretion, to provide service from the nearest ISDN-capable office. In this instance, the Foreign Central Office/Foreign Exchange Facility Charge as specified in Section S10.4.5 and the Foreign Central Office Special Transport Charge as specified in Section S9.2.2 of this Tariff shall apply.

If ISDN is available from a customer's normal serving central office, the customer must accept service from that office and ISDN Foreign Central Office/Foreign Exchange is not available to the customer.

At the Company's discretion, should the customer be served from a central office/exchange, at the Company's discretion, with a different local calling scope from the customer's normal serving central office/exchange, the Foreign Central Office/Foreign Exchange Facility charge as specified in Section S10.4.5 and the Foreign Exchange Special Transport charges as specified in Section S9.1.3 of this Tariff shall apply.

When ISDN service becomes available from the customer's normal serving central office, the customer will accept a number change to a number associated with the ISDN serving central office. The customer will be subject to calling areas associated with the normal serving central office, as specified in GTE's tariffs. If the customer does not wish to take ISDN service from the normal serving central office after the service is available from his office, but continues to utilize service from an alternate serving central office, then charges as outlined above will continue to apply.

* Material now appearing on the page previously appeared on Page 47. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: JULY 11, 2001
BY: Vice President
Durham, North Carolina



EFFECTIV

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.2 Conditions (Continued)**

h. (Continued)

No charge will apply to transfer the customer back to his normal serving central office as set forth above.

i. A minimum service period of three months is required for each Digital (ISDN) Single Line service.

j. Private Line arrangements or Special Access Services connected with Digital (ISDN) Single Line Service are subject to rates, rules, and conditions as set forth in the appropriate tariffs.

k. Certain optional feature capabilities may not be compatible with other Feature Packages or Optional System features.

l. Space Requirements

Suitable and sufficient space for any remote units required shall be leased by the Company from the customer.

Suitable space includes provisions for atmospheric control and encompasses the following environmental requirements:

- Dust free
- Controlled temperatures ranging from $50^{o}$ to $86^{o}$ Fahrenheit, with consideration given to heat loss and/or gain of the equipment
- Relative humidity of 20% minimum and 55% maximum

Commercial power necessary to operate the remote units, if required, shall be provided by the customer and located on the customer's premises.

m. Subsequent Additions, Deletions and Changes

Subsequent line additions will be rated under a new term commitment or an addendum to an existing term commitment based upon the remaining period of the initial term commitment. (T) (T)

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GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: February 16, 1996
BY: Vice President
Durham, North Carolina

Original Page 48
EFFECTIVE: March 26, 1996

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.2 Conditions (Continued)**

h. (Continued)

No charge will apply to transfer the customer back to his normal serving central office as set forth above.

i. A minimum service period of three months is required for each Digital (ISDN) Single Line service.

j. Private Line arrangements or Special Access Services connected with Digital (ISDN) Single Line Service are subject to rates, rules, and conditions as set forth in the appropriate tariffs.

k. Certain optional feature capabilities may not be compatible with other Feature Packages or Optional System features.

l. Space Requirements

Suitable and sufficient space for any remote units required shall be leased by the Company from the customer.

Suitable space includes provisions for atmospheric control and encompasses the following environmental requirements:

- Dust free
- Controlled temperatures ranging from $50^{o}$ to $86^{o}$ Fahrenheit, with consideration given to heat loss and/or gain of the equipment
- Relative humidity of 20% minimum and 55% maximum

Commercial power necessary to operate the remote units, if required, shall be provided by the customer and located on the customer's premises.

m. Subsequent Additions, Deletions and Changes

Subsequent line additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract. (N)

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.2 Conditions (Continued)**

n. Termination Liability

In the event Digital (ISDN) Single Line Service is terminated by the customer prior to completion of the initial contract period, the customer shall be liable for early termination charges. (See General Regulations, Section S2.10) (C) (C)

(D)

(D)

o. Services offered in accordance with this tariff are provided exclusively from central offices equipped with digital facilities. The availability of services and ability to provide services may vary among serving central offices. Digital (ISDN) Single Line services will be provided where central office capabilities and conditions permit.

Customer-provided equipment used in conjunction with services provided in accordance with this tariff must conform with the technical specifications of the Company.

The Company may change telecommunications services, equipment, operations, or procedures while remaining consistent with the Federal Communications Commission's Rules and Regulations. If changes cause a customer's equipment or communications system to become incompatible with services or if changes cause terminal equipment to require modification or become less effective, the Company shall not be responsible.

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: February 16, 1996
BY: Vice President
Durham, North Carolina

Original Page 49
EFFECTIVE: March 26, 1996

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.2 Conditions (Continued)**

n. Termination Liability

In the event Digital (ISDN) Single Line Service is terminated by the customer prior to completion of the initial contract period, the customer shall be liable for payment of the balance of the contract period rates. The Company will total the remaining contract period payments and reduce this sum by the 12% discount rate to determine the present worth value, which shall become immediately due and payable in its entirety.

A Digital (ISDN) Single Line customer may at any time renew a contract for an equal or longer period at the current tariffed rates subject to the following conditions:

(1) Credit will not be given for payments made during the formerly selected period.

(2) Nonrecurring charges will not be reapplied.

(3) The new contract period begins with the first billing date following the renewal.

(4) Termination charges will not apply for the former contract period.

o. Services offered in accordance with this tariff are provided exclusively from central offices equipped with digital facilities. The availability of services and ability to provide services may vary among serving central offices. Digital (ISDN) Single Line services will be provided where central office capabilities and conditions permit.

Customer-provided equipment used in conjunction with services provided in accordance with this tariff must conform with the technical specifications of the Company.

The Company may change telecommunications services, equipment, operations, or procedures while remaining consistent with the Federal Communications Commission's Rules and Regulations. If changes cause a customer's equipment or communications system to become incompatible with services or if changes cause terminal equipment to require modification or become less effective, the Company shall not be responsible. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 14, 2005
BY: Vice President
Durham, North Carolina

First Revised Page 50
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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.2 Conditions (Continued)**

o. (Continued)

Customer requested temporary disconnections of Digital (ISDN) Single Line services are not permitted.

A change in service from a basic exchange service to Digital (ISDN) Single Line service is a discontinuation of service and an establishment of service. Termination liabilities will not apply to these changes if the customer subscribes to an equivalent or greater amount of service. However, all applicable installation and service connection charges and all charges applicable to the establishment of Digital (ISDN) Single Line services apply.

All voice/data calls will be charged as Measured, Blocks of Time, or Flat Rate. Appropriate charges are specified in p. following.

p. Digital (ISDN) Single Line Service

Digital (ISDN) Single Line Service is composed of the following elements:

- Residence One-Party or Business One-Party
- Single line access
- Line/Channel - choose one or a combination of:
  B-Voice/CSD, per line
  D-Packet, per channel (X)
- Usage Options - must choose one:

(X) D-Packet Switched Data Channel service is grandfathered as of November 30, 2005 and is limited to existing customers at existing locations. No modification to D-Packet Switched Data Channel service is allowed. (N) (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: February 16, 1996
BY: Vice President
Durham, North Carolina

Original Page 50
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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.2 Conditions (Continued)**

o. (Continued)

Customer requested temporary disconnections of Digital (ISDN) Single Line services are not permitted.

A change in service from a basic exchange service to Digital (ISDN) Single Line service is a discontinuation of service and an establishment of service. Termination liabilities will not apply to these changes if the customer subscribes to an equivalent or greater amount of service. However, all applicable installation and service connection charges and all charges applicable to the establishment of Digital (ISDN) Single Line services apply.

All voice/data calls will be charged as Measured, Blocks of Time, or Flat Rate. Appropriate charges are specified in p. following.

p. Digital (ISDN) Single Line Service

Digital (ISDN) Single Line Service is composed of the following elements:

- Residence One-Party or Business One-Party
- Single line access
- Line/Channel - choose one or a combination of:
  B-Voice/CSD, per line
  D-Packet, per channel
- Usage Options - must choose one: (N)

**GTE SOUTH INCORPORATED** **Original Page 51**
**SOUTH CAROLINA**
**ISSUED: February 16, 1996** **EFFECTIVE: March 26, 1996**
**BY: Vice President**
**Durham, North Carolina**

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.2 Conditions (Continued)**

p. Digital (ISDN) Single Line Service (Continued)

- Usage Options (Continued)

Business customers

(1) Measured (all voice/data calls will be charged as follows):

- call terminating within the local calling area - usage rates as specified in Section S3.10.4b. (Usage Sensitive Service), S3.13.3c. (GTE Local Calling Plans), or MEAS usage rates from S3.3.2.h. and i., plus Switched Data Usage Charges as specified in Section S10.1.6.
- Long Distance Calls - as specified in Section S18 plus Switched Data Usage Charges as specified in Section S10.1.6.

(2) Blocks of Time
50 Hours
100 Hours
Overtime will be charged ($.03 per minute)

Residence customers

(1) Blocks of Time
25 Hours
50 Hours
Overtime will be charged ($.03 per minute)

(2) Flat Rate - as specified in S10.4.5c.(3).

Digital (ISDN) Single Line Service is digital exchange service.

Each Packaged Service is associated with a digital local loop, not with a channel.

Each digital local loop is arranged with a B-Channel or D-Channel configuration, or both a B-Channel and D-Channel configuration.

Digital (ISDN) Single Line Access is a service which terminates a digital local loop at the central office and permits access to the exchange network. Only one Digital (ISDN) Single Line access element is required for each digital local loop. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 14, 2005
BY: Vice President
Durham, North Carolina

First Revised Page 52
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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.2 Conditions (Continued)**

p. (Continued)

A customer may order multiple Single Lines.

A Digital (ISDN) Single Line Access arranges a digital local loop for an individual user.

The B-Voice/Circuit Switched Data Channel (B-V/CSD) assigns voice and circuit switched data traffic to two B-Channels of a digital local line. The CSD mode operates at a maximum speed of 64 Kbps (Switched 64 Kbps) but may be used at a speed of 56 Kbps (Switched 56 Kbps).

Data sent to interexchange carriers over B-V/CSD Channels in the CSD mode can be transmitted at either 64 Kbps or 56 Kbps. (Some interexchange carriers do not offer transmission at 64 Kbps).

The D-Packet Switched Data Channel allows transmission of packet-switched data over a D-Channel. (X)
Subscription to a D-Packet Service without subscription to B-Channel Service is permitted. (X)

(1) Additional Telephone Numbers

Up to two primary telephone numbers are provided with each activated Digital (ISDN) Single Line one for each of 2 channels. If an additional telephone number is required on either channel, an additional number charge applies for each additional number. The additional telephone numbers are available at the rate shown in this section. Additional telephone numbers may be published in the directory at the additional listing rates as found elsewhere in this tariff.

(X) D-Packet Switched Data Channel service is grandfathered as of November 30, 2005 and is limited to existing customers at existing locations. No modification to D-Packet Switched Data Channel service is allowed. (N) (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.2 Conditions (Continued)**

p. (Continued)

A customer may order multiple Single Lines.

A Digital (ISDN) Single Line Access arranges a digital local loop for an individual user.

The B-Voice/Circuit Switched Data Channel (B-V/CSD) assigns voice and circuit switched data traffic to two B-Channels of a digital local line. The CSD mode operates at a maximum speed of 64 Kbps (Switched 64 Kbps) but may be used at a speed of 56 Kbps (Switched 56 Kbps).

Data sent to interexchange carriers over B-V/CSD Channels in the CSD mode can be transmitted at either 64 Kbps or 56 Kbps. (Some interexchange carriers do not offer transmission at 64 Kbps).

The D-Packet Switched Data Channel allows transmission of packet-switched data over a D-Channel. Subscription to a D-Packet Service without subscription to B-Channel Service is permitted.

(1) Additional Telephone Numbers

Up to two primary telephone numbers are provided with each activated Digital (ISDN) Single Line one for each of 2 channels. If an additional telephone number is required on either channel, an additional number charge applies for each additional number. The additional telephone numbers are available at the rate shown in this section. Additional telephone numbers may be published in the directory at the additional listing rates as found elsewhere in this tariff. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.2 Conditions (Continued)**

p. (Continued)

(2) Digital (ISDN) Single Line Access

Digital (ISDN) Single Line Access provides support for connecting from one to eight terminals belonging to the same customer on an individual digital local line.

Only one user will be connected to each B-Channel. Other users on the same digital local loop can access the D-Channel only.

Up to six users can simultaneously share the same D-Channel of a D-Channel packet switching arrangement. Additional telephone numbers are required for each additional terminal.

A maximum of eight terminals belonging to the same customer are permitted per Digital Single line.

(3) Individual Line Loop Extension

Digital (ISDN) Single Line Individual Line Loop Extension provides a physical extension of the Digital (ISDN) Single Line loop from approximately 18,000 feet to approximately 36,000 feet. (These distances are for planning purposes. The actual distances are dependent on decibel (dB) loss and not just physical loop length.) This physical extension is accomplished by means of a central office installed power module and an outside plant installed regenerator or U-Repeater.

The deployment method is based on dB loss and not on specific cable footage. The vendor installation information indicates that up to a 34dB loss at 40kHz in either direction of the field repeater is acceptable. With the GTE engineering practice of maximum loss for the Digital CentraNet® (ISDN) loop to be 38dB at 40kHz, it is assumed, if the customer's distance would exceed the 38dB for standard installation, the U-Repeater would be mounted within the stated range of 34dB and the customer's length would be extended another 34dB from the U-Repeater installation point. Only one power module and U-Repeater can be used per Digital (ISDN) Single Line.

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

Second Revised Page 54
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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.2 Conditions (Continued)**

p. (Continued)

(3) Individual Line Loop Extension (Continued)

The customer's network access line is preengineered to determine when the U-Repeater/power module are required. The customer will not be charged the Digital (ISDN) Single Line Individual Line Loop Extension rate unless the equipment is actually used. The charge will not be invoked based on the cable footage. The power module is designed to be used only with the U-Repeater and the repeater can only be used with the power module. The appropriate Individual Line Loop Extension rate will apply in addition to rates for Digital (ISDN) Single Line Service.

q. One interexchange carrier must be selected for all voice and circuit switched data telephone numbers associated with the same digital local loop, however 101XXXX access to other Carriers is provided. A separate interexchange carrier may be chosen for packet service.

**S10.4.3 Features**

a. Definitions of the SmartCall_ Feature Packages and CCLASS Features are provided in Section S13 of this Tariff.

b. Circuit Switched Data 1000 Package: Data Call Forward, Data Multi-Line Hunt Group, Data Speed Call-Short List, and Data Toll Restriction.

c. Circuit Switched Data 2000 Package: Data 1000 Package plus Data Circular Hunting, and Data Speed Call-Long List.

d. X.25 Basic Package: X.25 Flow Control Parameters Negotiation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotiation, X.25 Transmit Delay Selection and Indication. (X) (X)

(X) X.25 service is grandfathered as of November 30, 2005 and is limited to existing customers at existing locations. No modification to X.25 service is allowed. (N) (N)

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GTE SOUTH INCORPORATED
SOUTH CAROLINA
First Revised Page 54
ISSUED: July 9, 1998
EFFECTIVE: August 11, 1998
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.2 Conditions (Continued)**

p. (Continued)

(3) Individual Line Loop Extension (Continued)

The customer's network access line is preengineered to determine when the U-Repeater/power module are required. The customer will not be charged the Digital (ISDN) Single Line Individual Line Loop Extension rate unless the equipment is actually used. The charge will not be invoked based on the cable footage. The power module is designed to be used only with the U-Repeater and the repeater can only be used with the power module. The appropriate Individual Line Loop Extension rate will apply in addition to rates for Digital (ISDN) Single Line Service.

q. One interexchange carrier must be selected for all voice and circuit switched data telephone numbers associated with the same digital local loop, however 101XXXX access to other Carriers is provided. A separate interexchange carrier may be chosen for packet service. (C)

**S10.4.3 Features**

a. Definitions of the SmartCall_ Feature Packages and CCLASS Features are provided in Section S13 of this Tariff.

b. Circuit Switched Data 1000 Package: Data Call Forward, Data Multi-Line Hunt Group, Data Speed Call-Short List, and Data Toll Restriction.

c. Circuit Switched Data 2000 Package: Data 1000 Package plus Data Circular Hunting, and Data Speed Call-Long List.

d. X.25 Basic Package: X.25 Flow Control Parameters Negotiation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotiation, X.25 Transmit Delay Selection and Indication.

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VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 14, 2005
BY: Vice President
Durham, North Carolina

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Cancels Second Revised Page 55
EFFECTIVE: November 28, 2005

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.3 Features (Continued)**

e. X.25 Deluxe Package: X.25 Basic Service (X.25 Flow Control Parameters Negotiation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotiation, X.25 Transmit Delay Selection and Indication) plus X.25 Closed User Groups, X.25 Fast Select, X.25 Fast Select Acceptance, X.25 Hunt Groups, X.25 One-Way Outgoing Logical Channel, and X.25 Permanent Virtual Circuit. (X)

f. Feature Matrices

The following feature matrices indicate the availability of each feature with Digital (ISDN) Single Line Service.

(1) Basic Operating Features[1]

| Feature Name | Digital |
|---|---|
| Direct Inward Dialing | X |
| Direct Outward Dialing | X |
| Automatic Identification of Outward Dial | X |
| Distinctive Ringing | X |
| Touch Call | X |
| Caller ID-Number Only | X |

[1] An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Single Line may subscribe to a SmartCall feature package, not Digital (ISDN) Single Line Multibutton Key Set (MBKS) feature packages. A MBKS feature package may be supplemented with SmartCall feature packages by adding those packages to the Digital (ISDN) Single Line rate. Applicable charges will apply as stated elsewhere in this tariff.

(X) X.25 service is grandfathered as of November 30, 2005 and is limited to existing customers at existing locations. No modification to X.25 service is allowed (N) (N)

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.3 Features (Continued)**

e. X.25 Deluxe Package: X.25 Basic Service (X.25 Flow Control Parameters Negotiation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotiation, X.25 Transmit Delay Selection and Indication) plus X.25 Closed User Groups, X.25 Fast Select, X.25 Fast Select Acceptance, X.25 Hunt Groups, X.25 One-Way Outgoing Logical Channel, and X.25 Permanent Virtual Circuit.

f. Feature Matrices

The following feature matrices indicate the availability of each feature with Digital (ISDN) Single Line Service.

(1) Basic Operating Features[1]

| Feature Name | Digital | |
|---|---|---|
| Direct Inward Dialing | X | |
| Direct Outward Dialing | X | |
| Automatic Identification of Outward Dial | X | |
| Distinctive Ringing | X | |
| Touch Call | X | |
| Caller ID-Number Only | X | (T) |

[1] An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Single Line may subscribe to a SmartCall feature package, not Digital (ISDN) Single Line Multibutton Key Set (MBKS) feature packages. A MBKS feature package may be supplemented with SmartCall feature packages by adding those packages to the Digital (ISDN) Single Line rate. Applicable charges will apply as stated elsewhere in this tariff.

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.3 Features (Continued)**

e. X.25 Deluxe Package: X.25 Basic Service (X.25 Flow Control Parameters Negotiation, X.25 Incoming Calls Barred, X.25 Outgoing Calls Barred, X.25 Reverse Charge, X.25 Reverse Charge Acceptance, X.25 Throughput Class Negotiation, X.25 Transmit Delay Selection and Indication) plus X.25 Closed User Groups, X.25 Fast Select, X.25 Fast Select Acceptance, X.25 Hunt Groups, X.25 One-Way Outgoing Logical Channel, and X.25 Permanent Virtual Circuit.

f. Feature Matrices

The following feature matrices indicate the availability of each feature with Digital (ISDN) Single Line Service.

(1) Basic Operating Features[1]

| Feature Name | Digital | | |
|---|---|---|---|
| Direct Inward Dialing | X | | |
| Direct Outward Dialing | X | | |
| Automatic Identification of Outward Dial | X | | |
| Distinctive Ringing | X | | |
| Touch Call | | X | |
| Caller ID-Number Delivery | X | | (C) |

[1] An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Single Line may subscribe to a SmartCall_ feature package, not Digital (ISDN) Single Line Multibutton Key Set (MBKS) feature packages. A MBKS feature package may be supplemented with SmartCall_ feature packages by adding those packages to the Digital (ISDN) Single Line rate. Applicable charges will apply as stated elsewhere in this tariff.

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.3 Features (Continued)**

f. Feature Matrices (Continued)

(2) Voice Packages Features[1]

| Feature Name | MBKS BASIC |
|---|---|
| Analog Shared Directory Number | X |
| Call Alternation | X |
| Call Forwarding | X |
| Call Hold | X |
| Conference Calling | X |
| Drop | X |
| Feature Function Buttons | X |
| Key System Coverage for Analog Lines | X |
| Multiple Directory Number Buttons | X |
| Shared Appearance of Directory Number (DN) | X |
| Speed Dialing | X |

(3) Data Packages Features

| Feature Name | CSD1000 | CSD2000 | X.25 | X.25 DELUXE | |
|---|---|---|---|---|---|
| Data Speed Dial - Short List | X | X | | | |
| Data Call Forward | X | X | | | |
| Data Toll Restriction | X | X | | | |
| Data Multi-Line Hunt Group | X | X | | | |
| Data Circular Hunt | | X | | | |
| Data Speed Dial - Long List | | X | | | |
| X.25 Flow Control Parameters Negotiation | | | X | X | (X) |
| X.25 Incoming Calls Barred | | | X | X | |
| X.25 Outgoing Calls Barred | | | X | X | |
| X.25 Reverse Charge | | | X | X | |
| X.25 Reverse Charge Acceptance | | | X | X | |
| X.25 Throughput Class Negotiation | | | X | X | |
| X.25 Transmit Delay Selection/ Indication | | | X | X | |
| X.25 Closed User Groups | | | | X | |
| X.25 Fast Select | | | | X | |
| X.25 Fast Select Acceptance | | | | X | |
| X.25 Hunt Groups | | | | X | |
| X.25 One-Way Outgoing Logical Channel | | | | X | |
| X.25 Permanent Virtual Circuit | | | | X | (X) |

1 SmartCall_ Packages can be used with Digital (ISDN) Single Line Service.

(X) X.25 service is grandfathered as of November 30, 2005 and is limited to existing customers at existing locations. No modification to X.25 service is allowed. (N) (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.3 Features (Continued)**

f. Feature Matrices (Continued)

(2) Voice Packages Features[1]

| Feature Name | MBKS BASIC | |
|---|---|---|
| Analog Shared Directory Number | X | |
| Call Alternation | X | |
| Call Forwarding | X | |
| Call Hold | X | |
| Conference Calling | X | |
| Drop | X | |
| Feature Function Buttons | X | |
| Key System Coverage for Analog Lines | X | |
| Multiple Directory Number Buttons | X | |
| Shared Appearance of Directory Number (DN) | X | |
| Speed Dialing | X | (T) |

(3) Data Packages Features

| Feature Name | CSD1000 | CSD2000 | X.25 | X.25 DELUXE | |
|---|---|---|---|---|---|
| Data Speed Dial - Short List | X | X | | | (T) |
| Data Call Forward | X | X | | | |
| Data Toll Restriction | X | X | | | |
| Data Multi-Line Hunt Group | X | X | | | |
| Data Circular Hunt | | X | | | |
| Data Speed Dial - Long List | | X | | | (T) |
| X.25 Flow Control Parameters Negotiation | | | X | X | |
| X.25 Incoming Calls Barred | | | X | X | |
| X.25 Outgoing Calls Barred | | | X | X | |
| X.25 Reverse Charge | | | X | X | |
| X.25 Reverse Charge Acceptance | | | X | X | |
| X.25 Throughput Class Negotiation | | | X | X | |
| X.25 Transmit Delay Selection/ Indication | | | X | X | |
| X.25 Closed User Groups | | | | X | |
| X.25 Fast Select | | | | X | |
| X.25 Fast Select Acceptance | | | | X | |
| X.25 Hunt Groups | | | | X | |
| X.25 One-Way Outgoing Logical Channel | | | | X | |
| X.25 Permanent Virtual Circuit | | | | X | |

[1] SmartCall_ Packages can be used with Digital (ISDN) Single Line Service.

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.3 Features (Continued)**

f. Feature Matrices (Continued)

(2) Voice Packages Features[1]

| Feature Name | MBKS BASIC |
|---|---|
| Analog Shared Directory Number | X |
| Call Alternation | X |
| Call Forwarding | X |
| Call Hold | X |
| Conference Calling | X |
| Drop | X |
| Feature Function Buttons | X |
| Key System Coverage for Analog Lines | X |
| Multiple Directory Number Buttons | X |
| Shared Appearance of Directory Number (DN) | X |
| Speed Calling | X |

(3) Data Packages Features

| Feature Name | CSD1000 | CSD2000 | X.25 | X.25 DELUXE |
|---|---|---|---|---|
| Data Speed Call - Short List | X | X | | |
| Data Call Forward | X | X | | |
| Data Toll Restriction | X | X | | |
| Data Multi-Line Hunt Group | X | X | | |
| Data Circular Hunt | | X | | |
| Data Speed Call - Long List | | X | | |
| X.25 Flow Control Parameters Negotiation | | | X | X |
| X.25 Incoming Calls Barred | | | X | X |
| X.25 Outgoing Calls Barred | | | X | X |
| X.25 Reverse Charge | | | X | X |
| X.25 Reverse Charge Acceptance | | | X | X |
| X.25 Throughput Class Negotiation | | | X | X |
| X.25 Transmit Delay Selection/ Indication | | | X | X |
| X.25 Closed User Groups | | | | X |
| X.25 Fast Select | | | | X |
| X.25 Fast Select Acceptance | | | | X |
| X.25 Hunt Groups | | | | X |
| X.25 One-Way Outgoing Logical Channel | | | | X |
| X.25 Permanent Virtual Circuit | | | | X |

[1] SmartCall_ Packages can be used with Digital (ISDN) Single Line Service.

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.3 Features (Continued)**

g. Definitions

(1) Digital (ISDN) Single Line

B-Channel (Bearer Channel). A channel used to carry digitized voice and data information at a speed of 64 Kbps.

Basic Rate Interface (BRI). BRI supports two 64 Kilobits per second (Kbps) B-Channels and one 16 Kbps D-Channel (2B+D).

Clear Channel Capability. The capability to transport 64 Kbps over a channel with no constraint on the quantity or on the sequence of bits.

Channel. The electrical path provided by the Company between two or more terminating points for the transmission of information or intelligence.

D-Channel (Delta Channel). A communications path that operates at 16 Kbps in support of network control signals and 9.6 Kbps X.25 packet data.

D-Packet. A service which permits a customer to use a D-Channel for packet switched data. Utilizes 9.6 of the 16 Kbps on BRI ISDN D-Channel and allows for more than one data device. (X) (X)

Digital (ISDN) Single Line. Single Line Service provided by ISDN-BRI. One line includes 2 B-Channels and 1 D-Channel.

Integrated Services Digital Network (ISDN). A set of standards which enable end-to-end digital transmission, access integration, and established standardization of points of interconnection over a single access line. End-to-end digital transmission eliminates the necessity for voice-band modems that use analog processing techniques. Access integration refers to utilizing a single ISDN line, whereby an end user over one line can access a wide variety of user information services such as voice, circuit switched data, and packet switched data.

(X) D-Packet Switched Data Channel service and X.25 service are grandfathered as of November 30, 2005 and are limited to existing customers at existing locations. No modification to D-Packet Switched Data Channel service or X.25 service is allowed. (N) | (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.3 Features (Continued)**

g. Definitions

(1) Digital (ISDN) Single Line

B-Channel (Bearer Channel). A channel used to carry digitized voice and data information at a speed of 64 Kbps.

Basic Rate Interface (BRI). BRI supports two 64 Kilobits per second (Kbps) B-Channels and one 16 Kbps D-Channel (2B+D).

Clear Channel Capability. The capability to transport 64 Kbps over a channel with no constraint on the quantity or on the sequence of bits.

Channel. The electrical path provided by the Company between two or more terminating points for the transmission of information or intelligence.

D-Channel (Delta Channel). A communications path that operates at 16 Kbps in support of network control signals and 9.6 Kbps X.25 packet data.

D-Packet. A service which permits a customer to use a D-Channel for packet switched data. Utilizes 9.6 of the 16 Kbps on BRI ISDN D-Channel and allows for more than one data device.

Digital (ISDN) Single Line. Single Line Service provided by ISDN-BRI. One line includes 2 B-Channels and 1 D-Channel.

Integrated Services Digital Network (ISDN). A set of standards which enable end-to-end digital transmission, access integration, and established standardization of points of interconnection over a single access line. End-to-end digital transmission eliminates the necessity for voice-band modems that use analog processing techniques. Access integration refers to utilizing a single ISDN line, whereby an end user over one line can access a wide variety of user information services such as voice, circuit switched data, and packet switched data. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.3 Features (Continued)**

g. Definitions (Continued)

(1) Digital (ISDN) Single Line (Continued)

Digital (ISDN) Single Line Access. The central office termination of a BRI Line arranged for access to the public switched network.

Kbps. Kilobits Per Second.

Mbps. Megabits Per Second.

User. A member of a business system.

MBKS. Multibutton Key Set.

(2) Circuit Switched Data 1000 Package

Data Call Forward allows a customer to forward incoming calls to another telephone number.

Data Multi-Line Hunt Group provides sequential hunting among lines in a hunt group for calls to a pilot number.

Data Speed Call-Short List allows speed calling over a Circuit Switched Data Channel. A short list allows storing up to eight numbers.

Data Toll Restriction denies toll calls attempted from Circuit Switched Data Channels.

(3) Circuit Switched Data 2000 Package - includes CSD 1000 Package plus

Data Circular Hunting searches for a vacant line in a hunt group for calls to a pilot number. The hunting starts from the idle line found by the previous hunt.

Data Speed Call-Long List allows speed calling over a Circuit Switched Data Channel. A long list allows storing up to thirty numbers. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.3 Features (Continued)**

g. Definitions (Continued)

(4) X.25 Basic Package (X)

X.25 Flow Control Parameter Negotiation permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred prohibits a data terminal from terminating an incoming call.

X.25 Outgoing Calls Barred prohibits a data terminal from originating outgoing virtual calls.

X.25 Reverse Charge permits a called party to be billed for a call.

X.25 Reverse Charge Acceptance allows a called party to accept charges for incoming calls.

X.25 Throughput Class Negotiation allows the calling data terminal to request specific throughput classes in a call request package for both directions of data transmission.

X.25 Transmit Delay Selection and Indication allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

(5) X.25 Deluxe Package: Includes Basic package plus the following:

X.25 Closed User Groups allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. A member cannot communicate with parties outside of the closed user group. Closed user groups are established by a service order. A user can belong to more than one closed user group. (X)

(X) X.25 service is grandfathered as of November 30, 2005 and is limited to existing customers at existing locations. No modification to X.25 service is allowed. (N) (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.3 Features (Continued)**

g. Definitions (Continued)

(4) X.25 Basic Package

X.25 Flow Control Parameter Negotiation permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred prohibits a data terminal from terminating an incoming call.

X.25 Outgoing Calls Barred prohibits a data terminal from originating outgoing virtual calls.

X.25 Reverse Charge permits a called party to be billed for a call.

X.25 Reverse Charge Acceptance allows a called party to accept charges for incoming calls.

X.25 Throughput Class Negotiation allows the calling data terminal to request specific throughput classes in a call request package for both directions of data transmission.

X.25 Transmit Delay Selection and Indication allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

(5) X.25 Deluxe Package: Includes Basic package plus the following:

X.25 Closed User Groups allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. A member cannot communicate with parties outside of the closed user group. Closed user groups are established by a service order. A user can belong to more than one closed user group. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.3 Features (Continued)**

g. Definitions (Continued)

(5) X.25 Deluxe Package: (Continued) (X)

X.25 Fast Select allows a data terminal to send as many as 128 bytes of data in addition to call setup and clearing packets.

X.25 Fast Select Acceptance allows transmitting incoming call packets with the fast select facility to a compatible destination terminal.

X.25 Hunt Groups allows grouping access lines so that a packet switched data call incoming to a hunt group is completed if there is an open channel on an access line within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the central office switch, but the Hunt Group cannot span switches. A Basic Rate Interface line within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 One-Way Outgoing Logical Channel allows an ISDN subscriber to specify the number of channels to be used for originating calls.

X.25 Permanent Virtual Circuit allows packet switching to be implemented over a dedicated channel without needing call setup or clearing. (X)

(6) Individual Services

Data Direct Connect provides an automatic connection between a calling line that goes off hook and a predetermined telephone number.

(X) X.25 service is grandfathered as of November 30, 2005 and is limited to existing customers at existing locations. No modification to X.25 service is allowed. (N) (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.3 Features (Continued)**

g. Definitions (Continued)

(5) X.25 Deluxe Package: (Continued)

X.25 Fast Select allows a data terminal to send as many as 128 bytes of data in addition to call setup and clearing packets.

X.25 Fast Select Acceptance allows transmitting incoming call packets with the fast select facility to a compatible destination terminal.

X.25 Hunt Groups allows grouping access lines so that a packet switched data call incoming to a hunt group is completed if there is an open channel on an access line within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the central office switch, but the Hunt Group cannot span switches. A Basic Rate Interface line within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 One-Way Outgoing Logical Channel allows an ISDN subscriber to specify the number of channels to be used for originating calls.

X.25 Permanent Virtual Circuit allows packet switching to be implemented over a dedicated channel without needing call setup or clearing.

(6) Individual Services

Data Direct Connect provides an automatic connection between a calling line that goes off hook and a predetermined telephone number. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.4 MBKS Basic Service**

a. MBKS Basic Service consists of the following:

Analog Shared Directory Number - This capability allows an analog user to share an MBKS DN with ISDN MBKS users. The analog user can originate, receive, or bridge onto a call on the shared MBKS DN. If an MBKS DN is shared by an analog user and if there are multiple appearances of that shared DN on the ISDN MBKS terminals, the analog user can be associated with any one call appearance of that shared MBKS DN, with the default being the first call appearance.

Call Alternation - This feature allows a station user to hold one call, make another call then talk alternately between the two parties.

Call Forwarding - This feature provides the option of fixed and/or variable forwarding of a station's incoming calls to a predetermined number. Includes all calls or only calls reaching a busy or no answer conditions (Fixed Forwarding is established and changed by the Telephone Company, whereas variable forwarding is established and changed by the station user).

Conference Calling - allows a user to set up a conference call. Conference calls can include members of the customer group and parties outside the group. Up to six parties can be connected.

Drop - Allows a user to disconnect the last party added to a conference call, or the other party if only two parties are conferenced. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.4 MBKS Basic Service (Continued)**

a. (Continued)

Hold - Allows the MBKS set user to place a call on hold by pressing the function button. Any MBKS set with the call appearance for call on hold can pick up the call by pressing the call appearance button.

Key System Coverage for Analog Lines - Allows an analog station set to share calls with the ISDN station set.

Multiple DN Buttons - Provide access to more than one Directory Number (DN) on the MBKS set. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.)

Shared Call Appearances of Directory Number (DN) - Allows several MBKS station sets to share one or more DNs. Originating and terminating events on one station set affect all stations sharing that DN. The shared DNs can have multiple call appearances, multiple calls can exist on one DN, and more than one station sharing the DN can have a call active on that shared DN.

Speed Dialing - (Also known as Abbreviated Dialing) permits the customer to dial selected numbers using fewer digits than normally required. This is accomplished through the assignment of abbreviated codes to frequently called numbers. One and two-digit speed calling lists are available. The Speed Dialing Feature is available to individual lines, two-party lines, and members (some or all) of a multiline hunt group. Speed Dialing lists assigned to individual lines can be shared by other lines at the customer's request. For the BRCS feature, the service providers can define list sizes and up to three digit access codes. (T) (T) (T)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.4 MBKS Basic Service (Continued)**

a. (Continued)

Hold - Allows the MBKS set user to place a call on hold by pressing the function button. Any MBKS set with the call appearance for call on hold can pick up the call by pressing the call appearance button.

Key System Coverage for Analog Lines - Allows an analog station set to share calls with the ISDN station set.

Multiple DN Buttons - Provide access to more than one Directory Number (DN) on the MBKS set. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.)

Shared Call Appearances of Directory Number (DN) - Allows several MBKS station sets to share one or more DNs. Originating and terminating events on one station set affect all stations sharing that DN. The shared DNs can have multiple call appearances, multiple calls can exist on one DN, and more than one station sharing the DN can have a call active on that shared DN.

Speed Calling - (Also known as Abbreviated Dialing) permits the customer to dial selected numbers using fewer digits than normally required. This is accomplished through the assignment of abbreviated codes to frequently called numbers. One and two-digit speed calling lists are available. The Speed Calling Feature is available to individual lines, two-party lines, and members (some or all) of a multiline hunt group. Speed Calling lists assigned to individual lines can be shared by other lines at the customer's request. For the BRCS feature, the service providers can define list sizes and up to three digit access codes. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.5 Rates and Charges**

| | | Monthly Rate | 12 Month | 36 Month | Nonrecurring Charge | |
|---|---|---|---|---|---|---|
| a. | Home Digital (ISDN) Single Line Service | | | | | |
| | Each residence Single Line-measured | (1) ISDNBRILR | (1) ISDNBRILR | (1) ISDNBRILR | (1) | |
| | Digital (ISDN) Single Line Access | $ 25.00 ISDNACC1R | $ 22.00 ISDNACC1R-1 | $ 19.00 ISDNACC1R-3 | $50.00(2) ISDNACCIC | |
| | B-Voice/CSD, per line | 2.00 ISDNBVCSDLR | 2.00 ISDNBVCSDLR | 2.00 ISDNBVCSDLR | - | |
| | D-Packet,(3) per channel | 5.00 ISDNDPKT | 5.00 ISDNDPKT | 5.00 ISDNDPKT | - | (X) (X) |
| b. | Business Digital (ISDN) Single Line Service | | | | | |
| | Each business Single Line measured | (1) ISDNBRILB | (1) ISDNBRILB | (1) ISDNBRILB | (1) | |
| | Digital (ISDN) Single Line Access | 25.00 ISDNACC1B | 22.00 ISDNACC1B-1 | 19.00 ISDNACC1B-3 | 50.00(2) ISDNACCIC | |
| | Central Office Services | | | | | |
| | B-Voice/CSD, per line | 5.00 ISDNBVCSDLB | 5.00 ISDNBVCSDLB | 5.00 ISDNBVCSDLB | -- | |
| | D-Packet,(3) per channel | 5.00 ISDNDPKT | 5.00 ISDNDPKT | 5.00 ISDNDPKT | -- | |

(1) Apply appropriate rates and charges as specified in Section S3.
(2) Applies to monthly rate option only.
(3) Available within the closed user group only.

(X) D-Packet Switched Data Channel service is grandfathered as of November 30, 2005 and is limited to existing customers at existing locations. No modification to D-Packet Switched Data Channel service is allowed. (N) (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

(N)

**S10.4.5 Rates and Charges**

| | | Monthly Rate | 12 Month | 36 Month | Nonrecurring Charge |
|---|---|---|---|---|---|
| a. | Home Digital (ISDN) Single Line Service | | | | |
| | Each residence Single Line-measured | (1) ISDNBRILR | (1) ISDNBRILR | (1) ISDNBRILR | (1) |
| | Digital (ISDN) Single Line Access | $ 25.00 ISDNACC1R | $ 22.00 ISDNACC1R-1 | $ 19.00 ISDNACC1R-3 | $50.00(2) ISDNACCIC |
| | B-Voice/CSD, per line | 2.00 ISDNBVCSDLR | 2.00 ISDNBVCSDLR | 2.00 ISDNBVCSDLR | - |
| | D-Packet,(3) per channel | 5.00 ISDNDPKT | 5.00 ISDNDPKT | 5.00 ISDNDPKT | - |
| b. | Business Digital (ISDN) Single Line Service | | | | |
| | Each business Single Line measured | (1) ISDNBRILB | (1) ISDNBRILB | (1) ISDNBRILB | (1) |
| | Digital (ISDN) Single Line Access | 25.00 ISDNACC1B | 22.00 ISDNACC1B-1 | 19.00 ISDNACC1B-3 | 50.00(2) ISDNACCIC |
| | Central Office Services | | | | |
| | B-Voice/CSD, per line | 5.00 ISDNBVCSDLB | 5.00 ISDNBVCSDLB | 5.00 ISDNBVCSDLB | -- |
| | D-Packet,(3) per channel | 5.00 ISDNDPKT | 5.00 ISDNDPKT | 5.00 ISDNDPKT | -- |

(N)

(1) Apply appropriate rates and charges as specified in Section S3.
(2) Applies to monthly rate option only.
(3) Available within the closed user group only.

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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.5 Rates and Charges (Continued)**

c. Usage Options[1]

| | | GSEC | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|---|
| (1) | 25 hour block of time | ISDNB25 | $19.00 | $ - |
| (2) | 50 hour block of time | ISDNB50 | 33.00 | - |
| (3) | 100 hour block of time | ISDNB100 | 61.00 | - |
| (4) | Flat Rate | ISDNFLAT | 40.00 | - |
| (5) | Measured | - | NOTE 7 | - |

Note 1: When customers subscribe to a block of time, all local voice and circuit switched data calls apply toward the block of time.

Note 2: Overtime for all local voice and circuit switched data calls occurring beyond the subscribed block of time will be billed at a rate of 3 cents per minute.

Note 3: Residential customers may subscribe to the flat rate option, the 25 hour block of time, or the 50 hour block of time on a per line basis.

Note 4: Business customers may subscribe to the measured option, the 50 hour block of time, or the 100 hour block of time on a per line basis.

Note 5: Blocks of Time and flat rate usage pattern encompasses extended calling scope. Applicable toll charges apply in addition, as required.

Note 6: Use Basic Call Service Residence One-Party or Business One-Party with all usage options.

Note 7: The appropriate usage rates as specified in Section S3.10.4b. (Usage Sensitive Service), S3.13.3c. (GTE Local Calling Plans), MEAS usage rates from S3.3.2h. and i., or toll charges specified in Section S18 apply in addition to Switched Data Usage Charges as specified in Section S10.1.6 of this Tariff.

1 - GTE South is filing these rates on an experimental basis to determine customers acceptance. The Company will re-evaluate this service within eighteen (18) months to ascertain the acceptability of the product and its pricing. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 14, 2005
BY: Vice President
Durham, North Carolina

First Revised Page 65
Cancels Original Page 65
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## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.5 Rates and Charges (Continued)**

d. Packaged Service (Business or Home)

| | Monthly Rate | 12 Month | 36 Month | Nonrecurring Charge | |
|---|---|---|---|---|---|
| MBKS Basic Service, per line | $ 6.00<br>ISDNMBKS | $ 6.00<br>ISDNMBKS | $ 6.00<br>ISDNMBKS | $ 25.00<br>ISDNMBKS | |
| Data 1000, per line | 3.00<br>ISDNFP1000 | 3.00<br>ISDNFP1000 | 3.00<br>ISDNFP1000 | 15.00<br>ISDNFPIC | |
| Data 2000, per line | 5.00<br>ISDNFP2000 | 5.00<br>ISDNFP2000 | 5.00<br>ISDNFP2000 | 15.00<br>ISDNFPIC | |
| X.25 Basic | NC | NC | NC | NC | (X) |
| X.25 Deluxe, per line | 5.00<br>ISDNX25EFP | 5.00<br>ISDNX25EFP | 5.00<br>ISDNX25EFP | 15.00<br>ISDNX25IC | (X) |

(N)
(N)

(X) X.25 service is grandfathered as of November 30, 2005 and is limited to existing customers at existing locations. No modification to X.25 service is allowed.

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: February 16, 1996
BY: Vice President
Durham, North Carolina

Original Page 65
EFFECTIVE: March 26, 1996

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

(N)

**S10.4.5 Rates and Charges (Continued)**

d. Packaged Service (Business or Home)

| | Monthly Rate | 12 Month | 36 Month | Nonrecurring Charge |
|---|---|---|---|---|
| MBKS Basic Service, per line | $ 6.00<br>ISDNMBKS | $ 6.00<br>ISDNMBKS | $ 6.00<br>ISDNMBKS | $ 25.00<br>ISDNMBKS |
| Data 1000, per line | 3.00<br>ISDNFP1000 | 3.00<br>ISDNFP1000 | 3.00<br>ISDNFP1000 | 15.00<br>ISDNFPIC |
| Data 2000, per line | 5.00<br>ISDNFP2000 | 5.00<br>ISDNFP2000 | 5.00<br>ISDNFP2000 | 15.00<br>ISDNFPIC |
| X.25 Basic | NC | NC | NC | NC |
| X.25 Deluxe, per line | 5.00<br>ISDNX25EFP | 5.00<br>ISDNX25EFP | 5.00<br>ISDNX25EFP | 15.00<br>ISDNX25IC |

(N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: JULY 11, 2001
BY: Vice President
Durham, North Carolina





## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)**

**S10.4.5 Rates and Charges (Continued)**

| | | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| e. | Digital (ISDN) Individual Line Loop Extension[1], per line | $21.00 ISDNLESL | $50.00 ISDNLESLIC |
| f. | Optional Features | | |
| | Additional Directory Numbers, each | 2.00 ISDNBADN | - |
| g. | Data Direct Connect | 1.00 ISDNSLDDC | - |
| h. | Data Base Changes | | |
| | Software Changes[2] | - | 25.00[3] ISDNMISC |
| | Add Line Features | | |
| i. | Foreign Exchange/ Foreign Central Office Facility, per ISDN Single Line | 70.00 ISDNFAC | - |
| j. | Foreign Central Office Mileage | NOTE 4 | |
| k. | Foreign Exchange Mileage | NOTE 5 | |

(1) These rates apply in addition to the applicable Residence or Business line rate. (T)

(2) Applies to changes to existing services.

(3) Data Base Additions or Changes not listed in this Tariff will be charged a rate of $50.00 per hour, or fraction thereof.

(4) The Foreign Central Office Special Transport Charge as specified in Section S9.2.2 of this Tariff shall apply.

(5) The Foreign Exchange Special Transport Charge as specified in Section S9.1.3 of this Tariff shall apply.

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GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: February 16, 1996
BY: Vice President
Durham, North Carolina

Original Page 66
EFFECTIVE: March 26, 1996

## S10. DIGITAL NETWORK SERVICES

**S10.4 Digital (ISDN) Single Line Service (Continued)** (N)

**S10.4.5 Rates and Charges (Continued)**

| | | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| e. | Digital (ISDN) Individual Line Loop Extension[1], per line | $21.00 ISDNLESL | $50.00 ISDNLESLIC |
| f. | Optional Features | | |
| | Additional Directory Numbers, each | 2.00 ISDNBADN | - |
| g. | Data Direct Connect | 1.00 ISDNSLDDC | - |
| h. | Data Base Changes | | |
| | Software Changes[2] | - | 25.00[3] ISDNMISC |
| | Add Line Features | | |
| i. | Foreign Exchange/ Foreign Central Office Facility, per ISDN Single Line | 70.00 ISDNFAC | - |
| j. | Foreign Central Office Mileage | NOTE 4 | |
| k. | Foreign Exchange Mileage | NOTE 5 | |

(1) These rates apply in addition to the applicable R-1 or B-1 rate.

(2) Applies to changes to existing services.

(3) Data Base Additions or Changes not listed in this Tariff will be charged a rate of $50.00 per hour, or fraction thereof.

(4) The Foreign Central Office Special Transport Charge as specified in Section S9.2.2 of this Tariff shall apply.

(5) The Foreign Exchange Special Transport Charge as specified in Section S9.1.3 of this Tariff shall apply. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: June 13, 2008
BY: Vice President
Durham, North Carolina

Third Revised Page 67
Cancels Second Revised Page 67
EFFECTIVE: June 28, 2008

## S10. DIGITAL NETWORK SERVICES

### S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service

#### S10.5.1 General

a. Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) is a central office based service arrangement that is an alternative for individual access services, such as Two Way, Direct Inward Dialing (DID), Direct Outward Dialing (DOD) services and two-way trunks. (C)

b. ISDN-PRI is provisioned on a clear channel 1.544 megabit per second (Mbps) facility and uses the ISDN architecture of 23 "B" channels and one "D" channel or 24 "B" channels to provide the customer with the capabilities of simultaneous access, transmission and switching of voice, data and imaging services via channelized transport.

c. ISDN-PRI provides the capability to transport customer information in the form of circuit-switched voice or data up to 64 Kbps over any "B" channel. One "D" channel can control up to 20 PRI trunks. In these cases, a single "D" channel in one ISDN-PRI trunk handles all signaling and control functions of the other trunks in the arrangement, which allows supplemental trunks to consist of 24 "B" channels.

#### S10.5.2 Regulations

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

b. Customer Provided Equipment (CPE) must be NI-2 compliant. Any CPE that requires custom switch features not supported in the NI-2 specification may be supported as an exception and priced on an individual case basis. Custom ISDN features based in specific switch types may be provided on individual case basis.

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

### S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service

#### S10.5.1 General

a. Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) is a central office based service arrangement that is an alternative for individual access services, such as Direct Inward Dialing (DID), Direct Outward Dialing (DOD) services and two-way trunks. (C) (C)

b. ISDN-PRI is provisioned on a clear channel 1.544 megabit per second (Mbps) facility and uses the ISDN architecture of 23 "B" channels and one "D" channel or 24 "B" channels to provide the customer with the capabilities of simultaneous access, transmission and switching of voice, data and imaging services via channelized transport.

c. ISDN-PRI provides the capability to transport customer information in the form of circuit-switched voice or data up to 64 Kbps over any "B" channel. One "D" channel can control up to 20 PRI trunks. In these cases, a single "D" channel in one ISDN-PRI trunk handles all signaling and control functions of the other trunks in the arrangement, which allows supplemental trunks to consist of 24 "B" channels.

#### S10.5.2 Regulations

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

b. Customer Provided Equipment (CPE) must be NI-2 compliant. Any CPE that requires custom switch features not supported in the NI-2 specification may be supported as an exception and priced on an individual case basis. Custom ISDN features based in specific switch types may be provided on individual case basis.

GTE SOUTH INCORPORATED
SOUTH CAROLINA
First Revised Page 67
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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

### S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service

#### S10.5.1 General

a. Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) is a central office based service arrangement that is an alternative for individual access services, such as Direct Inward Dialing (DID), 800/877/888 Services, Wide Area Telecommunications Services, and local business trunks. (C)

b. ISDN-PRI is provisioned on a clear channel 1.544 megabit per second (Mbps) facility and uses the ISDN architecture of 23 "B" channels and one "D" channel or 24 "B" channels to provide the customer with the capabilities of simultaneous access, transmission and switching of voice, data and imaging services via channelized transport.

c. ISDN-PRI provides the capability to transport customer information in the form of circuit-switched voice or data up to 64 Kbps over any "B" channel. One "D" channel can control up to 20 PRI trunks. In these cases, a single "D" channel in one ISDN-PRI trunk handles all signaling and control functions of the other trunks in the arrangement, which allows supplemental trunks to consist of 24 "B" channels.

#### S10.5.2 Regulations

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

b. Customer Provided Equipment (CPE) must be NI-2 compliant. Any CPE that requires custom switch features not supported in the NI-2 specification may be supported as an exception and priced on an individual case basis. Custom ISDN features based in specific switch types may be provided on individual case basis.

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

Fifth Revised Page 68
Cancels Fourth Revised Page 68
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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

c. The service is available from central offices that have the necessary facilities to provide ISDN-PRI service and the customers serving wire center is ISDN-PRI capable. In the event, the local serving office is not so equipped, the Company will provide PRI service from an alternate (or foreign) serving central office (determined by the Company), within the same calling scope at no additional charge to the customer. When a customer's serving office is part of a Remote Switching Cluster, as defined in the following paragraph, additional Special Transport Termination and Special Transport Mileage charges are not applicable.

Remote Switching Cluster – exists when the remote switch is dependent on the host switch for its software processing. A remote switch can process only intra-office calls with the host switch. Customers served from a Remote Switching Cluster may subscribe to ISDN-PRI from the host switch at no additional charge, provided the customer's local calling area and telephone numbers are those provided from the remote switch.

d. When a customer's serving office is not suitably equipped and/or the customer chooses to subscribe to ISDN-PRI Service from another Telephone Company designated ISDN-PRI central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office. In addition to the PRI Access and PRI Facility charges, the special transport, termination and mileage rates will be applicable.

This Tariff provides for PRI switching capabilities only and additional services must be subscribed to under separate sections of this Tariff. Each ISDN-PRI trunk group is provided with one telephone number. Additional numbers may be purchased at the rates specified in Section S13.9 for DID service.

e. This tariff does not provide for the transmission of packet data on the "B" or "D" channels, but can be provided on an individual case basis.

f. PRI Station Detail billing is only available with message/measured usage service. Individual PRI Station Call Detail is for informational purposes only. Exact billing information is located in the Measured Call Summary portion of the bill.

The customer's ISDN Primary Service must be equipped with Calling Party Default Directory Number with the Calling Party Screening option. Customers will not have the option to change the Calling Party Number and CPN may not be deleted. Customers will have the option to define a partial listing in the screening list. Specific call details will not be provided for stations not included in the screening list. The screening list may not include 800 numbers, fictitious numbers, private network numbers or Centrex Dialing Plan numbers defined in the screening tables. Station Call Details will only be provided for valid telephone numbers within the switch providing the customer's ISDN Primary Service.

g. Multirate ISDN (MRI) provides a single circuit whose bandwidth is a multiple of 64 Kbps. The circuit consists of one or more "B" channels as required for each call. Multirate is also known as N x 64 data service, which can be provided on an individual case basis. This functionality is done by the Customer's Premise Equipment. (C)

h. Termination Liability

In the event ISDN-PRI Service is terminated by the customer prior to completion of the initial contract period, the customer shall be liable for early termination charges. (See General Regulations, Section S2.10)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

c. The service is available from central offices that have the necessary facilities to provide ISDN-PRI service and the customers serving wire center is ISDN-PRI capable. In the event, the local serving office is not so equipped, the Company will provide PRI service from an alternate (or foreign) serving central office (determined by the Company), within the same calling scope at no additional charge to the customer. When a customer's serving office is part of a Remote Switching Cluster, as defined in the following paragraph, additional Special Transport Termination and Special Transport Mileage charges are not applicable. (C)

Remote Switching Cluster – exists when the remote switch is dependent on the host switch for its software processing. A remote switch can process only intra-office calls with the host switch. Customers served from a Remote Switching Cluster may subscribe to ISDN-PRI from the host switch at no additional charge, provided the customer's local calling area and telephone numbers are those provided from the remote switch. (C)

d. When a customer's serving office is not suitably equipped and/or the customer chooses to subscribe to ISDN-PRI Service from another Telephone Company designated ISDN-PRI central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office. In addition to the PRI Access and PRI Facility charges, the special transport, termination and mileage rates will be applicable. (C) (C)

This Tariff provides for PRI switching capabilities only and additional services must be subscribed to under separate sections of this Tariff. Each ISDN-PRI trunk group is provided with one telephone number. Additional numbers may be purchased at the rates specified in Section S13.9 for DID service.

e. This tariff does not provide for the transmission of packet data on the "B" or "D" channels, but can be provided on an individual case basis.

f. PRI Station Detail billing is only available with message/measured usage service. Individual PRI Station Call Detail is for informational purposes only. Exact billing information is located in the Measured Call Summary portion of the bill.

The customer's ISDN Primary Service must be equipped with Calling Party Default Directory Number with the Calling Party Screening option. Customers will not have the option to change the Calling Party Number and CPN may not be deleted. Customers will have the option to define a partial listing in the screening list. Specific call details will not be provided for stations not included in the screening list. The screening list may not include 800 numbers, fictitious numbers, private network numbers or Centrex Dialing Plan numbers defined in the screening tables. Station Call Details will only be provided for valid telephone numbers within the switch providing the customer's ISDN Primary Service.

g. Multirate ISDN (MRI) provides a single circuit whose bandwidth is a multiple of 64 Kbps. The circuit consists of one or more "B" channels as required for each call. Multirate is also known as N x 64 data service, which can be provided on an individual case basis.

h. Termination Liability

In the event ISDN-PRI Service is terminated by the customer prior to completion of the initial contract period, the customer shall be liable for early termination charges. (See General Regulations, Section S2.10)

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VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

c. The service is available from central offices that have the necessary facilities to provide ISDN-PRI service and the customers serving wire center is ISDN-PRI capable. In the event, the local serving office is not so equipped, the Company will provide PRI service from an alternate (or foreign) serving central office (determined by the Company), within the same calling scope at no additional charge to the customer.

d. When a customer's serving office is not suitably equipped and/or the customer chooses to subscribe to ISDN-PRI Service from another Telephone Company designated ISDN-PRI central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office. The PRI Access and PRI Facility charges will apply in addition to the special transport, termination and mileage.

This Tariff provides for PRI switching capabilities only and additional services must be subscribed to under separate sections of this Tariff. Each ISDN-PRI trunk group is provided with one telephone number. Additional numbers may be purchased at the rates specified in Section S13.9 for DID service.

e. This tariff does not provide for the transmission of packet data on the "B" or "D" channels, but can be provided on an individual case basis.

f. PRI Station Detail billing is only available with message/measured usage service. Individual PRI Station Call Detail is for informational purposes only. Exact billing information is located in the Measured Call Summary portion of the bill. (N)

The customer's ISDN Primary Service must be equipped with Calling Party Default Directory Number with the Calling Party Screening option. Customers will not have the option to change the Calling Party Number and CPN may not be deleted. Customers will have the option to define a partial listing in the screening list. Specific call details will not be provided for stations not included in the screening list. The screening list may not include 800 numbers, fictitious numbers, private network numbers or Centrex Dialing Plan numbers defined in the screening tables. Station Call Details will only be provided for valid telephone numbers within the switch providing the customer's ISDN Primary Service. (N)

g. Multirate ISDN (MRI) provides a single circuit whose bandwidth is a multiple of 64 Kbps. The circuit consists of one or more "B" channels as required for each call. Multirate is also known as N x 64 data service, which can be provided on an individual case basis. (T)

h. Termination Liability (T)

In the event ISDN-PRI Service is terminated by the customer prior to completion of the initial contract period, the customer shall be liable for early termination charges. (See General Regulations, Section S2.10)

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VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

c. The service is available from central offices that have the necessary facilities to provide ISDN-PRI service and the customers serving wire center is ISDN-PRI capable. In the event, the local serving office is not so equipped, the Company will provide PRI service from an alternate (or foreign) serving central office (determined by the Company), within the same calling scope at no additional charge to the customer.

d. When a customer's serving office is not suitably equipped and/or the customer chooses to subscribe to ISDN-PRI Service from another Telephone Company designated ISDN-PRI central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office. The PRI Access and PRI Facility charges will apply in addition to the special transport, termination and mileage. (C) (C)

This Tariff provides for PRI switching capabilities only and additional services must be subscribed to under separate sections of this Tariff. Each ISDN-PRI trunk group is provided with one telephone number. Additional numbers may be purchased at the rates specified in Section S13.9 for DID service.

e. This tariff does not provide for the transmission of packet data on the "B" or "D" channels, but can be provided on an individual case basis.

f. Multirate ISDN (MRI) provides a single circuit whose bandwidth is a multiple of 64 Kbps. The circuit consists of one or more "B" channels as required for each call. Multirate is also known as N x 64 data service, which can be provided on an individual case basis.

g. Termination Liability

In the event ISDN-PRI Service is terminated by the customer prior to completion of the initial contract period, the customer shall be liable for early termination charges. (See General Regulations, Section S2.10)

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

c. The service is available from central offices that have the necessary facilities to provide ISDN-PRI service and the customers serving wire center is ISDN-PRI capable. In the event, the local serving office is not so equipped, the Company will provide PRI service from an alternate (or foreign) serving central office (determined by the Company), within the same calling scope at no additional charge to the customer. (T) (T)

d. When a customer's serving office is not suitably equipped and the customer chooses to subscribe to ISDN-PRI Service from another Telephone Company designated ISDN-PRI central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office. The PRI Access and PRI Facility charges will apply in addition to the special transport, as specified in Section S9.2 of this Tariff.

This Tariff provides for PRI switching capabilities only and additional services must be subscribed to under separate sections of this Tariff. Each ISDN-PRI trunk group is provided with one telephone number. Additional numbers may be purchased at the rates specified in Section S13.9 for DID service.

e. This tariff does not provide for the transmission of packet data on the "B" or "D" channels, but can be provided on an individual case basis.

f. Multirate ISDN (MRI) provides a single circuit whose bandwidth is a multiple of 64 Kbps. The circuit consists of one or more "B" channels as required for each call. Multirate is also known as N x 64 data service, which can be provided on an individual case basis.

g. Termination Liability (C)

In the event ISDN-PRI Service is terminated by the customer prior to completion of the initial contract period, the customer shall be liable for early termination charges. (See General Regulations, Section S2.10) (C)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)** (N)

**S10.5.2 Regulations (Continued)**

c. The service is available from central offices that have the necessary facilities to provide ISDN-PRI service and the customers serving wire center is ISDN-PRI capable. In the event, the local serving office is not so equipped, GTE will provide PRI service from an alternate (or foreign) serving central office (determined by GTE), within the same calling scope at no additional charge to the customer.

d. When a customer's serving office is not suitably equipped and the customer chooses to subscribe to ISDN-PRI Service from another Telephone Company designated ISDN-PRI central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office. The PRI Access and PRI Facility charges will apply in addition to the special transport, as specified in Section S9.2 of this Tariff.

This Tariff provides for PRI switching capabilities only and additional services must be subscribed to under separate sections of this Tariff. Each ISDN-PRI trunk group is provided with one telephone number. Additional numbers may be purchased at the rates specified in Section S13.9 for DID service.

e. This tariff does not provide for the transmission of packet data on the "B" or "D" channels, but can be provided on an individual case basis.

f. Multirate ISDN (MRI) provides a single circuit whose bandwidth is a multiple of 64 Kbps. The circuit consists of one or more "B" channels as required for each call. Multirate is also known as N x 64 data service, which can be provided on an individual case basis.

g. Customers under contract who disconnect PRI services before the expiration of the contract period, shall pay an early termination liability charge equal to the monthly rate times the number of months remaining in the contract. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: June 13, 2008
BY: Vice President
Durham, North Carolina

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Cancels Sixth Revised Page 69
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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

h. (Continued) (N)

Termination Liability does not apply to optional features. The termination liability charge will not apply when a customer converts from PRI Access and Facility to a PRI Access only when the PRI is connecting to an alternate high capacity facility. (N)

i. During the initial term commitment period, the customer may add PRI services at the same monthly rate specified in the customer's original contract.

j. If a customer discontinues other Verizon services and establishes ISDN-PRI that utilizes the same facilities (i.e., Digital Channel Service) the nonrecurring charge associated with the ISDN-PRI facilities (DS1 facilities) will be waived for the same quantity replaced by the ISDN-PRI facilities to which the customer currently subscribes. The nonrecurring charges associated with the ISDN-PRI access portion of the new service applies in all instances.

k. The PRI Subsequent Activity Charge (SAC) is applicable for any changes to customer configurations after the initial installation. The SAC is applicable per occurrence and not based on the number of trunks.

l. Customers may utilize alternate high capacity digital facilities (i.e., DS3 or any other higher speed compatible capacity digital facility that meets the specification as determined by the Company) in lieu of the local PRI Facility specified herein. The applicable rules, regulations and rates from the appropriate Company tariff when riding intrastate facilities and Verizon Telephone Companies Tariff FCC No. 14 when riding interstate facilities) will apply for the alternate higher capacity digital facilities.

**S10.5.3 PRI Standard Features**

The following B-channel features are offered to the customer, at no additional charge.

a. Calling Number Identification allows the customer to have access to the directory number of the calling party.

b. "D" Channel Back-Up automatically takes over for a failed "D" channel in case of trouble. This may be subscribed to as part of a 23B+D Channel Back-Up arrangement.

c. Call-by-Call Service Selection provides an option to the dedicated channel configuration by allowing channels to be configured to access multiple services on a per call basis. With this feature, separate facilities are not required for individual services, such as DID services. Call by Call is not available with ISDN PRI Term and Volume Plans. This option is grandfathered as of July 1, 2008. Call by Call will no longer be provisioned on new PRIs as of July 1, 2008 except for at existing customer's locations. Existing customers may continue their service until their service is disconnected. (C)

d. Clear Channel Capability allows the customer to transport 64 Kbps over the PRI channels with no constraint on the quantity or sequence of bits using the "Bipolar with Eight Zero Substitution" method of providing bit sequence independence.

e. Non-Facility Associated Signaling (NFAS) allows the D-channel signaling entity to assign calls to channels on more than one interface (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel). The collection of these B-channels and the controlling D-channels is called a PRI group. Multiple DS1 Facilities can be assigned to a PRI group.

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VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: May 12, 2006
BY: Vice President
Durham, North Carolina

Sixth Revised Page 69
Cancels Fifth Revised Page 69
EFFECTIVE: May 31, 2006

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

i. During the initial term commitment period, the customer may add PRI services at the same monthly rate specified in the customer's original contract.

j. If a customer discontinues other Verizon services and establishes ISDN-PRI that utilizes the same facilities (i.e., Digital Channel Service) the nonrecurring charge associated with the ISDN-PRI facilities (DS1 facilities) will be waived for the same quantity replaced by the ISDN-PRI facilities to which the customer currently subscribes. The nonrecurring charges associated with the ISDN-PRI access portion of the new service applies in all instances.

k. The PRI Subsequent Activity Charge (SAC) is applicable for any changes to customer configurations after the initial installation. The SAC is applicable per occurrence and not based on the number of trunks.

l. Customers may utilize alternate high capacity digital facilities (i.e., DS3 or any other higher speed compatible capacity digital facility that meets the specification as determined by the Company) in lieu of the local PRI Facility specified herein. The applicable rules, regulations and rates from the appropriate Company tariff when riding intrastate facilities and Verizon Telephone Companies Tariff FCC No. 14 when riding interstate facilities) will apply for the alternate higher capacity digital facilities.

**S10.5.3 PRI Standard Features**

The following B-channel features are offered to the customer, at no additional charge.

a. Calling Number Identification allows the customer to have access to the directory number of the calling party. (C)

b. "D" Channel Back-Up automatically takes over for a failed "D" channel in case of trouble. This may be subscribed to as part of a 23B+D Channel Back-Up arrangement.

c. Call-by-Call Service Selection provides an option to the dedicated channel configuration by allowing channels to be configured to access multiple services on a per call basis. With this feature, separate facilities are not required for individual services, such as DID services. Call by Call is not available with ISDN PRI Term and Volume Plans.

d. Clear Channel Capability allows the customer to transport 64 Kbps over the PRI channels with no constraint on the quantity or sequence of bits using the "Bipolar with Eight Zero Substitution" method of providing bit sequence independence.

e. Non-Facility Associated Signaling (NFAS) allows the D-channel signaling entity to assign calls to channels on more than one interface (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel). The collection of these B-channels and the controlling D-channels is called a PRI group. Multiple DS1 Facilities can be assigned to a PRI group.

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VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

i. During the initial term commitment period, the customer may add PRI services at the same monthly rate specified in the customer's original contract. (T)

j. If a customer discontinues other Verizon services and establishes ISDN-PRI that utilizes the same facilities (i.e., Digital Channel Service) the nonrecurring charge associated with the ISDN-PRI facilities (DS1 facilities) will be waived for the same quantity replaced by the ISDN-PRI facilities to which the customer currently subscribes. The nonrecurring charges associated with the ISDN-PRI access portion of the new service applies in all instances. (T)

k. The PRI Subsequent Activity Charge (SAC) is applicable for any changes to customer configurations after the initial installation. The SAC is applicable per occurrence and not based on the number of trunks. (T)

l. Customers may utilize alternate high capacity digital facilities (i.e., DS3 or any other higher speed compatible capacity digital facility that meets the specification as determined by the Company) in lieu of the local PRI Facility specified herein. The applicable rules, regulations and rates from the appropriate Company tariff when riding intrastate facilities and Verizon Telephone Companies Tariff FCC No. 14 when riding interstate facilities) will apply for the alternate higher capacity digital facilities. (T)

**S10.5.3 PRI Standard Features**

The following B-channel features are offered to the customer, at no additional charge.

a. Calling Number Identification is a standard feature within a system between an ISDN-PRI Service and a CentraNet® System or between two or more ISDN-PRI Services belonging to the same customer.

b. "D" Channel Back-Up automatically takes over for a failed "D" channel in case of trouble. This may be subscribed to as part of a 23B+D Channel Back-Up arrangement.

c. Call-by-Call Service Selection provides an option to the dedicated channel configuration by allowing channels to be configured to access multiple services on a per call basis. With this feature, separate facilities are not required for individual services, such as DID services. Call by Call is not available with ISDN PRI Term and Volume Plans.

d. Clear Channel Capability allows the customer to transport 64 Kbps over the PRI channels with no constraint on the quantity or sequence of bits using the "Bipolar with Eight Zero Substitution" method of providing bit sequence independence.

e. Non-Facility Associated Signaling (NFAS) allows the D-channel signaling entity to assign calls to channels on more than one interface (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel). The collection of these B-channels and the controlling D-channels is called a PRI group. Multiple DS1 Facilities can be assigned to a PRI group.

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VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

h. During the initial term commitment period, the customer may add PRI services at the same monthly rate specified in the customer's original contract.

i. If a customer discontinues other Verizon services and establishes ISDN-PRI that utilizes the same facilities (i.e., Digital Channel Service) the nonrecurring charge associated with the ISDN-PRI facilities (DS1 facilities) will be waived for the same quantity replaced by the ISDN-PRI facilities to which the customer currently subscribes. The nonrecurring charges associated with the ISDN-PRI access portion of the new service applies in all instances.

j. The PRI Subsequent Activity Charge (SAC) is applicable for any changes to customer configurations after the initial installation. The SAC is applicable per occurrence and not based on the number of trunks.

k. Customers may utilize alternate high capacity digital facilities (i.e., DS3 or any other higher speed compatible capacity digital facility that meets the specification as determined by the Company) in lieu of the local PRI Facility specified herein. The applicable rules, regulations and rates from the appropriate Company tariff when riding intrastate facilities and Verizon Telephone Companies Tariff FCC No. 14 when riding interstate facilities) will apply for the alternate higher capacity digital facilities. (N)

**S10.5.3 PRI Standard Features** (T)

The following B-channel features are offered to the customer, at no additional charge.

a. Calling Number Identification is a standard feature within a system between an ISDN-PRI Service and a CentraNet® System or between two or more ISDN-PRI Services belonging to the same customer.

b. "D" Channel Back-Up automatically takes over for a failed "D" channel in case of trouble. This may be subscribed to as part of a 23B+D Channel Back-Up arrangement.

c. Call-by-Call Service Selection provides an option to the dedicated channel configuration by allowing channels to be configured to access multiple services on a per call basis. With this feature, separate facilities are not required for individual services, such as DID services. Call by Call is not available with ISDN PRI Term and Volume Plans. (C)

d. Clear Channel Capability allows the customer to transport 64 Kbps over the PRI channels with no constraint on the quantity or sequence of bits using the "Bipolar with Eight Zero Substitution" method of providing bit sequence independence.

e. Non-Facility Associated Signaling (NFAS) allows the D-channel signaling entity to assign calls to channels on more than one interface (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel). The collection of these B-channels and the controlling D-channels is called a PRI group. Multiple DS1 Facilities can be assigned to a PRI group. (N)

(M) Some material previously appearing on this page now appears on Page 70. (N)

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VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: July 31, 2003
BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

h. During the initial term commitment period, the customer may add PRI services at the same monthly rate specified in the customer's original contract.

i. If a customer discontinues other Verizon services and establishes ISDN-PRI that utilizes the same facilities (i.e., Digital Channel Service) the nonrecurring charge associated with the ISDN-PRI facilities (DS1 facilities) will be waived for the same quantity replaced by the ISDN-PRI facilities to which the customer currently subscribes. The nonrecurring charges associated with the ISDN-PRI access portion of the new service applies in all instances.

j. The PRI Subsequent Activity Charge (SAC) is applicable for any changes to customer configurations after the initial installation. The SAC is applicable per occurrence and not based on the number of trunks.

**S10.5.3 PRI Features**

The following B-channel features are offered to the customer, at no additional charge.

a. Calling Number Identification is a standard feature within a system between an ISDN-PRI Service and a CentraNet® System or between two or more ISDN-PRI Services belonging to the same customer.

b. "D" Channel Back-Up automatically takes over for a failed "D" channel in case of trouble. This may be subscribed to as part of a 23B+D Channel Back-Up arrangement.

c. Call-by-Call Service Selection provides an option to the dedicated channel configuration by allowing channels to be configured to access multiple services on a per call basis. With this feature, separate facilities are not required for individual services, such as DID, WATS, 800/877/888 services, and local switched access lines.

d. Clear Channel Capability allows the customer to transport 64 Kbps over the PRI channels with no constraint on the quantity or sequence of bits using the "Bipolar with Eight Zero Substitution" method of providing bit sequence independence.

e. Calling Line Identification with Name allows the customer to have access to the directory number and name of the calling party. Compatible CPE is required. Calling Line Identification with Name is available only where facilities and conditions permit. Rates for Calling Line Identification with Name are available to customers on a month-to-month basis, or for a term commitment period of 1, 3 or 5 years. (N) (N)

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VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: JULY 11, 2001
BY: Vice President
Durham, North Carolina



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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

h. During the initial term commitment period, the customer may add PRI services at the same monthly rate specified in the customer's original contract. (T)

i. If a customer discontinues other Verizon services and establishes ISDN-PRI that utilizes the same facilities (i.e., Digital Channel Service) the nonrecurring charge associated with the ISDN-PRI facilities (DS1 facilities) will be waived for the same quantity replaced by the ISDN-PRI facilities to which the customer currently subscribes. The nonrecurring charges associated with the ISDN-PRI access portion of the new service applies in all instances. (T)

j. The PRI Subsequent Activity Charge (SAC) is applicable for any changes to customer configurations after the initial installation. The SAC is applicable per occurrence and not based on the number of trunks.

**S10.5.3 PRI Features**

The following B-channel features are offered to the customer, at no additional charge.

a. Calling Number Identification is a standard feature within a system between an ISDN-PRI Service and a CentraNet® System or between two or more ISDN-PRI Services belonging to the same customer.

b. "D" Channel Back-Up automatically takes over for a failed "D" channel in case of trouble. This may be subscribed to as part of a 23B+D Channel Back-Up arrangement.

c. Call-by-Call Service Selection provides an option to the dedicated channel configuration by allowing channels to be configured to access multiple services on a per call basis. With this feature, separate facilities are not required for individual services, such as DID, WATS, 800/877/888 services, and local switched access lines.

d. Clear Channel Capability allows the customer to transport 64 Kbps over the PRI channels with no constraint on the quantity or sequence of bits using the "Bipolar with Eight Zero Substitution" method of providing bit sequence independence.

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: June 4, 1998
BY: Vice President
Durham, North Carolina

First Revised Page 69

EFFECTIVE: July 7, 1998

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.2 Regulations (Continued)**

h. During the initial contract period, the customer may add PRI services at the same monthly rate specified in the customer's original contract.

i. If a customer discontinues other GTE services and establishes ISDN-PRI that utilizes the same facilities (i.e., Digital Channel Service) the nonrecurring charge associated with the ISDN-PRI facilities (DS1 facilities) will be waived for the same quantity replaced by the ISDN-PRI facilities to which the customer currently subscribes. The nonrecurring charges associated with the ISDN-PRI access portion of the new service applies in all instances.

j. The PRI Subsequent Activity Charge (SAC) is applicable for any changes to customer configurations after the initial installation. The SAC is applicable per occurrence and not based on the number of trunks.

**S10.5.3 PRI Features**

The following B-channel features are offered to the customer, at no additional charge.

a. Calling Number Identification is a standard feature within a system between an ISDN-PRI Service and a CentraNet® System or between two or more ISDN-PRI Services belonging to the same customer.

b. "D" Channel Back-Up automatically takes over for a failed "D" channel in case of trouble. This may be subscribed to as part of a 23B+D Channel Back-Up arrangement.

c. Call-by-Call Service Selection provides an option to the dedicated channel configuration by allowing channels to be configured to access multiple services on a per call basis. With this feature, separate facilities are not required for individual services, such as DID, WATS, 800/877/888 services, and local switched access lines. (C)

d. Clear Channel Capability allows the customer to transport 64 Kbps over the PRI channels with no constraint on the quantity or sequence of bits using the "Bipolar with Eight Zero Substitution" method of providing bit sequence independence.

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VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 PRI Optional Features**

a. Calling Line Identification with Name allows the customer to have access to the directory number and name of the calling party. Compatible CPE is required. Calling Line Identification with Name is available only where facilities and conditions permit. Rates for Calling Line Identification with Name are available for a term commitment period of 1, 3 or 5 years or a Term and Volume Plan. (C)

b. PRI Station Detail Billing provides individual station call details for all stations utilizing a customer's ISDN Primary Service at an account level on a monthly basis. These details are provided with the normal customer bill or on the Verizon Communications Inc. website via the Internet. PRI Station Detail billing is only available with message / measured usage service. Individual PRI Station Call Detail is for informational purposes only. Exact billing information is located in the Measured Call Summary portion of the bill.

c. Tie Channels: The following call connection arrangements are available:
- Central Office to end-user premises - for consolidation of public and private services over an ISDN-PRI Facility to and from a single customer.
- Central Office to Central Office (via Tie Channel) - to be utilized for CentraNet® to CentraNet® or CentraNet® to end-user configurations, within a single customer's ISDN-PRI Service Arrangement.

d. Tie Channels to an Intermediary Customer (IC) Services: "B" channels may be dedicated or allowed to interconnect with various services provided by other service providers, such as Interexchange Carriers or Competitive Access Providers. The customer shall be responsible for the ordering of these services. In this situation the customer or the IC will require a 1.544 Mbps high capacity digital services facility ordered from the appropriate Company tariff, to be connected in the applicable serving central office with PRI Access for a single customer's ISDN-PRI Service Arrangement.

e. ISDN-PRI Term and Volume Plans

ISDN-PRI Service is offered on an optional 1, 2- or 3-year Term and Volume Plan (TVP). The ISDN-PRI Access TVP includes the ISDN-PRI Access, Standard Features except for Call-by-Call Service Selection, and includes Channel Activations. Packages are available with or without the ISDN-PRI (DS1) Facility and are offered as flat rate voice and measured data or measured voice and measured data. Available PRI Access configurations are 23B + D, 23B + Backup D or 24B . Term and Volume Plans do not include the Tie Channels. (C)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 PRI Optional Features**

a. Calling Line Identification with Name allows the customer to have access to the directory number and name of the calling party. Compatible CPE is required. Calling Line Identification with Name is available only where facilities and conditions permit. Rates for Calling Line Identification with Name are available to for a term commitment period of 1, 3 or 5 years.

b. PRI Station Detail Billing provides individual station call details for all stations utilizing a customer's ISDN Primary Service at an account level on a monthly basis. These details are provided with the normal customer bill or on the Verizon Communications Inc. website via the Internet. PRI Station Detail billing is only available with message / measured usage service. Individual PRI Station Call Detail is for informational purposes only. Exact billing information is located in the Measured Call Summary portion of the bill.

c. Tie Channels: The following call connection arrangements are available: (N)
- Central Office to end-user premises - for consolidation of public and private services over an ISDN-PRI Facility to and from a single customer.
- Central Office to Central Office (via Tie Channel) - to be utilized for CentraNet® to CentraNet® or CentraNet® to end-user configurations, within a single customer's ISDN-PRI Service Arrangement. (N)

d. Tie Channels to an Intermediary Customer (IC) Services: "B" channels may be dedicated or allowed to interconnect with various services provided by other service providers, such as Interexchange Carriers or Competitive Access Providers. The customer shall be responsible for the ordering of these services. In this situation the customer or the IC will require a 1.544 Mbps high capacity digital services facility ordered from the appropriate Company tariff, to be connected in the applicable serving central office with PRI Access for a single customer's ISDN-PRI Service Arrangement. (C)

e. ISDN-PRI Term and Volume Plans (T)

ISDN-PRI Service is offered on an optional 2- or 3-year Term and Volume Plan (TVP). The ISDN-PRI Access TVP includes the ISDN-PRI Access, Standard Features except for Call-by-Call Service Selection, and includes Channel Activations. Packages are available with or without the ISDN-PRI (DS1) Facility and are offered as flat rate voice and measured data or measured voice and measured data. Available PRI Access configurations are 23B + D, 23B + Backup D or 24B . Term and Volume Plans do not include the Tie Channels. (C) (C)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 PRI Optional Features**

a. Calling Line Identification with Name allows the customer to have access to the directory number and name of the calling party. Compatible CPE is required. Calling Line Identification with Name is available only where facilities and conditions permit. Rates for Calling Line Identification with Name are available to for a term commitment period of 1, 3 or 5 years.

b. PRI Station Detail Billing provides individual station call details for all stations utilizing a customer's ISDN Primary Service at an account level on a monthly basis. These details are provided with the normal customer bill or on the Verizon Communications Inc. website via the Internet. PRI Station Detail billing is only available with message / measured usage service. Individual PRI Station Call Detail is for informational purposes only. Exact billing information is located in the Measured Call Summary portion of the bill. (N)

c. Intermediary Customer (IC) Services: "B" channels may be dedicated or allowed to interconnect with various services provided by other service providers, such as Interexchange Carriers or Competitive Access Providers. The customer shall be responsible for the ordering of these services. In this situation the customer or the IC will require a 1.544 Mbps high capacity digital services facility ordered from the appropriate Company tariff, to be connected in the applicable serving central office with PRI Access for a single customer's ISDN-PRI Service Arrangement. (T)

d. ISDN-PRI Term and Volume Plans (T)

ISDN-PRI Service is offered on an optional 2- or 3-year Term and Volume Plan (TVP). The ISDN-PRI Access TVP includes the ISDN-PRI Access, Standard Features except for Call-by-Call Service Selection, and includes Channel Activations. Packages are available with or without the ISDN-PRI (DS1) Facility and are offered as flat rate voice and measured data or measured voice and measured data. Available PRI Access configurations are 23B + D, 23B + Backup D or 24B.

(D)

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SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 PRI Optional Features** (C)

a. Calling Line Identification with Name allows the customer to have access to the directory number and name of the calling party. Compatible CPE is required. Calling Line Identification with Name is available only where facilities and conditions permit. Rates for Calling Line Identification with Name are available to for a term commitment period of 1, 3 or 5 years. (T)(M) (C) (C)(M)

(D)

(D)

b. Intermediary Customer (IC) Services: "B" channels may be dedicated or allowed to interconnect with various services provided by other service providers, such as Interexchange Carriers or Competitive Access Providers. The customer shall be responsible for the ordering of these services. In this situation the customer or the IC will require a 1.544 Mbps high capacity digital services facility ordered from the appropriate Company tariff, to be connected in the applicable serving central office with PRI Access for a single customer's ISDN-PRI Service Arrangement. (N)

c. ISDN-PRI Term and Volume Plans

ISDN-PRI Service is offered on an optional 2- or 3-year Term and Volume Plan (TVP). The ISDN-PRI Access TVP includes the ISDN-PRI Access, Standard Features except for Call-by-Call Service Selection, and includes Channel Activations. Packages are available with or without the ISDN-PRI (DS1) Facility and are offered as flat rate voice and measured data or measured voice and measured data. Available PRI Access configurations are 23B + D, 23B + Backup D or 24B.

(N)

(M) Some material now appearing on this page previously appeared on Page 69. (N)

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SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.3 PRI Features (Continued)**

f. Fractional DS1 ISDN-Originating allows the customer to set up N x 64 Kbps calls from an ISDN-PRI in real-time and in the same manner as any circuit switched ISDN call.

g. Fractional DS1 ISDN-Terminating allows the customer to receive N x 64 Kbps calls from an ISDN-PRI in real-time and in the same manner as any circuit switched ISDN call.

h. Non-Facility Associated Signaling (NFAS) allows the D-channel signaling entity to assign calls to channels on more than one interface (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel is called a PRI group. Up to 20 DS1 Facilities can be assigned to a PRI group.

**S10.5.3.1. Out of Calling Scope (OOCS)**

a. ISDN Out of Scope (OOCS) service is available to customers who choose to be served from another ISDN-PRI capable central office that is outside the calling scope of their serving central office.

OOCS is available only as one-way option which will provide terminating (inbound) traffic to the PRI customer. Under this arrangement, originating traffic from the customer's location to the serving ISDN-PRI central office will be blocked.

b. The OOCS ISDN-PRI Access charge will apply in lieu of the ISDN-PRI Access Charge. However, the OOCS Access Charge is in addition to the DS1 special transport and DS1 transport termination for the mileage between the customer serving exchange and the exchange where the PRI is provided, as specified in Section 5.7.5 of the Facilities for Intrastate Access Tariff.

(D)
(D)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: July 31, 2003
BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.3 PRI Features (Continued)**

f. Fractional DS1 ISDN-Originating allows the customer to set up N x 64 Kbps calls from an ISDN-PRI in real-time and in the same manner as any circuit switched ISDN call. (T)

g. Fractional DS1 ISDN-Terminating allows the customer to receive N x 64 Kbps calls from an ISDN-PRI in real-time and in the same manner as any circuit switched ISDN call. (T)

h. Non-Facility Associated Signaling (NFAS) allows the D-channel signaling entity to assign calls to channels on more than one interface (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel is called a PRI group. Up to 20 DS1 Facilities can be assigned to a PRI group. (T)

**S10.5.3.1. Out of Calling Scope (OOCS)**

a. ISDN Out of Scope (OOCS) service is available to customers who choose to be served from another SDN-PRI capable central office that is outside the calling scope of their serving central office.

OOCS is available only as one-way option which will provide terminating (inbound) traffic to the PRI customer. Under this arrangement, originating traffic from the customer's location to the serving ISDN-PRI central office will be blocked.

b. The OOCS ISDN-PRI Access charge will apply in lieu of the ISDN-PRI Access Charge. However, the OOCS Access Charge is in addition to the DS1 special transport and DS1 transport termination for the mileage between the customer serving exchange and the exchange where the PRI is provided, as specified in Section 5.7.5 of the Facilities for Intrastate Access Tariff.

Note 1: Service charges reflected in Section 4 of this Tariff will not apple in addition to the nonrecurring charges specified.

Note 2: The applicable rates and charges for the ISDN-PRI Facility are the monthly and nonrecurring charges for Megalink® Service, as specified in Section 20.3 of this Tariff. In addition, End User Charges as specified in Section 13 of the GTOC FCC No. 1 Tariff will apply per PRI Access.

VERIZON SOUTH INC.
SOUTH CAROLINA

First Revised Page 70
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ISSUED: January 19, 2001
BY: Vice President
Durham, North Carolina

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**S10. DIGITAL NETWORK SERVICES**

S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)

S10.5.3 PRI Features (Continued)

e. Fractional DS1 ISDN-Originating allows the customer to set up N x 64 Kbps calls from an ISDN-PRI in real-time and in the same manner as any circuit switched ISDN call.

f. Fractional DS1 ISDN-Terminating allows the customer to receive N x 64 Kbps calls from an ISDN-PRI in real-time and in the same manner as any circuit switched ISDN call.

g. Non-Facility Associated Signaling (NFAS) allows the D-channel signaling entity to assign calls to channels on more than one interface (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel is called a PRI group. Up to 20 DS1 Facilities can be assigned to a PRI group.

S10.5.3.1. Out of Calling Scope (OOCS) (N)

a. ISDN Out of Scope (OOCS) service is available to customers who choose to be served from another SDN-PRI capable central office that is outside the calling scope of their serving central office.

OOCS is available only as one-way option which will provide terminating (inbound) traffic to the PRI customer. Under this arrangement, originating traffic from the customer's location to the serving ISDN-PRI central office will be blocked.

b. The OOCS ISDN-PRI Access charge will apply in lieu of the ISDN-PRI Access Charge. However, the OOCS Access Charge is in addition to the DS1 special transport and DS1 transport termination for the mileage between the customer serving exchange and the exchange where the PRI is provided, as specified in Section 5.7.5 of the Facilities for Intrastate Access Tariff. (N)

Note 1: Service charges reflected in Section 4 of this Tariff will not apple in addition to the nonrecurring charges specified. (N)

Note 2: The applicable rates and charges for the ISDN-PRI Facility are the monthly and nonrecurring charges for Megalink® Service, as specified in Section 20.3 of this Tariff. In addition, End User Charges as specified in Section 13 of the GTOC FCC No. 1 Tariff will apply per PRI Access. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: November 18, 1997
BY: Vice President
Durham, North Carolina

Original Page 70

EFFECTIVE: January 13, 1998

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)** (N)

**S10.5.3 PRI Features (Continued)**

e. Fractional DS1 ISDN-Originating allows the customer to set up N x 64 Kbps calls from an ISDN-PRI in real-time and in the same manner as any circuit switched ISDN call.

f. Fractional DS1 ISDN-Terminating allows the customer to receive N x 64 Kbps calls from an ISDN-PRI in real-time and in the same manner as any circuit switched ISDN call.

g. Non-Facility Associated Signaling (NFAS) allows the D-channel signaling entity to assign calls to channels on more than one interface (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel is called a PRI group. Up to 20 DS1 Facilities can be assigned to a PRI group. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: August 11, 2005
BY: Vice President
Durham, North Carolina

Original Page 70.1
EFFECTIVE: AUGUST 26, 2005

## S10. DIGITAL NETWORK SERVICES (N)

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 PRI Optional Features (Continued)**

c. ISDN-PRI Term and Volume Plans (Continued)

During the term commitment period, the customer may add PRI services at the same monthly rate as specified in the initial contract or the customer may add PRI services on a month-to-month or term commitment basis.

Customers under an existing contract may convert to a new contract without incurring termination liability charges provided the value of the new term commitment is of equal or greater value than the remaining value of the existing commitment.

All of a customer's Company provided ISDN-PRIs within the state will count toward the volume commitment threshold. TVP customers may change the number of ISDN PRIs during the TVP period. In the event customers under a TVP plan make subsequent ISDN-PRI increases or decreases that cause the total number of ISDN-PRIs to fall within a different threshold level, all remaining ISDN-PRIs will be billed a the applicable level rate for the remainder of the TVP period.

The customer must provide the account information of the ISDN-PRIs included in the TVP at the time of the initial installation of service and with each change to the service under the TVP.

Regulations set forth in Paragraphs preceding are applicable to ISDN-PRI on a TVP. Customers shall be liable for termination liability charges as set forth in General Customer Services Tariff, S2.10, Termination Liability.

Two-year contract customers may subscribe to 3-year contract PRI features and facilities when 2-year contract rates are not available. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: June 13, 2008
BY: Vice President
Durham, North Carolina

Seventh Revised Page 71
Cancels Sixth Revised Page 71
EFFECTIVE: June 28, 2008

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.5 Rates and Charges**

| | | Monthly Rate | Nonrecurring Charge | |
|---|---|---|---|---|
| a. | ISDN-PRI DS1 Facility | | | |
| | 12-Month Term Commitment | $140.00 | $535.00 | |
| | 36-Month Term Commitment | 130.00 | 535.00 | |
| | 60-Month Term Commitment | 120.00 | 535.00 | |
| b. | PRI Special Transport Termination | 30.00 | | |
| c. | PRI Special Transport per Airline Mile | 10.00 | | |
| d. | ISDN-PRI Access | | | |
| | 12-Month Term Commitment (Note 3) | $420.00 | $500.00 | (C) |
| | 36-Month Term Commitment (Note 3) | 380.00 | 500.00 | (C) |
| | 60-Month Term Commitment | 340.00 | 500.00 | |
| e. | Channel Activations, per channel | | | |
| | Voice Channel Activation Flat Voice/Measured Data | 15.00 | - | (C) |
| | Data Channel Activation Measured Voice/Measured Data | 5.00 | - | (C) |
| f. | Channel Usage | | | |
| | Voice Channel Usage | - | - | |
| | Data Channel Usage | Note 1 | - | |
| g. | Tie Channel,[2] per PRI, | | 100.00 | |
| h. | Tie Channel to IC Services[2] per PRI | | 100.00 | |

Note 1: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff.

Note 2: ISDN PRI CentraNet® Access or ISDN PRI Voice over Internet Protocol (VOIP) CentraNet® Access NRCs from the Price List Section 10A is required. This NRC always applies.

Note 3: This option is grandfathered as of July 1, 2008. Existing customers may stay on their terms until the end of their contract. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: July 31, 2007
BY: Vice President
Durham, North Carolina

Sixth Revised Page 71
Cancels Fifth Revised Page 71
EFFECTIVE: August 15, 2007

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.5 Rates and Charges**

| | | Monthly Rate | Nonrecurring Charge | |
|---|---|---|---|---|
| a. | ISDN-PRI DS1 Facility | | | |
| | 12-Month Term Commitment | $140.00 | $535.00 | |
| | 36-Month Term Commitment | 130.00 | 535.00 | |
| | 60-Month Term Commitment | 120.00 | 535.00 | |
| b. | PRI Special Transport Termination | 30.00 | | |
| c. | PRI Special Transport per Airline Mile | 10.00 | | |
| d. | ISDN-PRI Access | | | |
| | 12-Month Term Commitment | $420.00 | $500.00 | |
| | 36-Month Term Commitment | 380.00 | 500.00 | |
| | 60-Month Term Commitment | 340.00 | 500.00 | |
| e. | Channel Activations, per channel | | | |
| | Voice Channel Activation | 15.00 | - | |
| | Data Channel Activation | 5.00 | - | |
| f. | Channel Usage | | | |
| | Voice Channel Usage | - | - | |
| | Data Channel Usage | Note 1 | - | |
| g. | Tie Channel,[2] per PRI, | | 100.00 | (N) |
| h. | Tie Channel to IC Services[2] per PRI | | 100.00 | (N) |

Note 1: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff.

Note 2: ISDN PRI CentraNet® Access or ISDN PRI Voice over Internet Protocol (VOIP) CentraNet® Access NRCs from the Price List Section 10A is required. This NRC always applies. (N) (N)

(D)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: August 11, 2005
BY: Vice President
Durham, North Carolina

Fifth Revised Page 71
Cancels Fourth Revised Page 71
EFFECTIVE: AUGUST 26, 2005

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.5 Rates and Charges** (T)

| | | Monthly Rate | Nonrecurring Charge | |
|---|---|---|---|---|
| a. | ISDN-PRI DS1 Facility | | | (C) |
| | 12-Month Term Commitment | $140.00 | $535.00 | (N) |
| | 36-Month Term Commitment | 130.00 | 535.00 | |
| | 60-Month Term Commitment | 120.00 | 535.00 | |
| b. | PRI Special Transport Termination | 30.00 | | |
| c. | PRI Special Transport per Airline Mile | 10.00 | | (N) |
| d. | ISDN-PRI Access | | | (T) |
| | 12-Month Term Commitment | $420.00 | $500.00 | |
| | 36-Month Term Commitment | 380.00 | 500.00 | |
| | 60-Month Term Commitment | 340.00 | 500.00 | |
| e. | Channel Activations, per channel | | | (T) |
| | Voice Channel Activation | 15.00 | - | |
| | Data Channel Activation | 5.00 | - | |
| f. | Channel Usage | | | (T) |
| | Voice Channel Usage | - | - | |
| | Data Channel Usage | Note 1 | - | |

(D)

(D)

Note 1: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff. (T)

(D)
(D)

(M) Some material previously appearing on this page now appears on Page 72. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: October 11, 2004
BY: Vice President
Durham, North Carolina

Fourth Revised Page 71
Cancels Third Revised Page 71
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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 Rates and Charges**

| | | Monthly Rate | Nonrecurring IOSC | Charge[1] | IOSC |
|---|---|---|---|---|---|
| a. | ISDN-PRI Facility | Note 2 | - | Note 2 | - |
| b. | ISDN-PRI Access | | | | |
| | 12-Month Term Commitment | $420.00 | 17170 | $500.00 | 17173 |
| | 36-Month Term Commitment | 380.00 | 17171 | 500.00 | 17173 |
| | 60-Month Term Commitment | 340.00 | 17172 | 500.00 | 17173 |
| c. | Channel Activations, per channel | | | | |
| | Voice Channel Activation | 15.00 | 17174 | - | - |
| | Data Channel Activation | 5.00 | 17175 | - | - |
| d. | Channel Usage | | | | |
| | Voice Channel Usage | - | - | - | - |
| | Data Channel Usage | Note 3 | - | - | - |
| e. | Subsequent Activity Charge, per occurrence | - | - | 200.00 | 17176 |
| f. | Calling Line Identification with Name, Per ISDN-PRI Access | | | | |
| | Month-to-Month | 85.00 | - | Note 4 | - |
| | 1-Year Term Commitment | 75.00 | - | Note 4 | - |
| | 3-Year Term Commitment | 70.00 | - | Note 4 | - |
| | 5-Year Term Commitment | 65.00 | - | Note 4 | - |

Note 1: Service charges reflected in Section S4 of this Tariff will not apply in addition to the nonrecurring charges specified.

Note 2: The applicable rates and charges for the ISDN-PRI Facility are the monthly and nonrecurring charges for 1.544 Access Line and Special Transport, as specified in Section S20.2.6 of this Tariff. For applications that include connections to T-3, SONET, 44.736 Mbps, or any other alternate High Capacity Facility meeting the specifications as determined by Verizon, only the rate elements and charges from those tariffs will apply. In addition, End User Charges as specified in Section 13 of the GTOC FCC No. 1 Tariff will apply per PRI Access. (C) | (C)

Note 3: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff.

Note 4: If Caller ID with Name is added to an existing PRI arrangement, the Subsequent Service Order Change charge found in S4.3 a. (2) and the ISDN-PRI Subsequent Activity Charge, per occurrence found in S10.5.4 (e) are applicable.

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

Third Revised Page 71
Cancels Second Revised Page 71
EFFECTIVE: November 20, 2003

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 Rates and Charges**

| | | Monthly Rate | IOSC | Nonrecurring Charge[1] | IOSC | |
|---|---|---|---|---|---|---|
| a. | ISDN-PRI Facility | Note 2 | - | Note 2 | - | |
| b. | ISDN-PRI Access | | | | | |
| | 12-Month Term Commitment | $420.00 | 17170 | $500.00 | 17173 | (T) |
| | 36-Month Term Commitment | 380.00 | 17171 | 500.00 | 17173 | \| |
| | 60-Month Term Commitment | 340.00 | 17172 | 500.00 | 17173 | (T) |
| c. | Channel Activations, per channel | | | | | |
| | Voice Channel Activation | 15.00 | 17174 | - | - | |
| | Data Channel Activation | 5.00 | 17175 | - | - | |
| d. | Channel Usage | | | | | |
| | Voice Channel Usage | - | - | - | - | |
| | Data Channel Usage | Note 3 | - | - | - | |
| e. | Subsequent Activity Charge, per occurrence | - | - | 200.00 | 17176 | |
| g. | Calling Line Identification with Name, Per ISDN-PRI Access | | | | | |
| | Month-to-Month | 85.00 | - | Note 4 | - | |
| | 1-Year Term Commitment | 75.00 | - | Note 4 | - | (T) |
| | 3-Year Term Commitment | 70.00 | - | Note 4 | - | \| |
| | 5-Year Term Commitment | 65.00 | - | Note 4 | - | (T) |

Note 1: Service charges reflected in Section S4 of this Tariff will not apply in addition to the nonrecurring charges specified.

Note 2: The applicable rates and charges for the ISDN-PRI Facility are the monthly and nonrecurring charges for 1.544 Access Line and Special Transport, as specified in Section S20.2.6 of this Tariff. In addition, End User Charges as specified in Section 13 of the GTOC FCC No. 1 Tariff will apply per PRI Access.

Note 3: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff.

Note 4: If Caller ID with Name is added to an existing PRI arrangement, the Subsequent Service Order Change charge found in S4.3 a. (2) and the ISDN-PRI Subsequent Activity Charge, per occurrence found in S10.5.4 (e) are applicable.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: July 31, 2003
BY: Vice President
Durham, North Carolina

Second Revised Page 71
Cancels First Revised Page 71
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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 Rates and Charges**

| | | Monthly Rate | IOSC | Nonrecurring Charge[1] | IOSC | |
|---|---|---|---|---|---|---|
| a. | ISDN-PRI Facility | Note 2- | | Note 2 | - | |
| b. | ISDN-PRI Access | | | | | |
| | 12-Month Contract | $420.00 | 17170 | $500.00 | 17173 | |
| | 36-Month Contract | 380.00 | 17171 | 500.00 | 17173 | |
| | 60-Month Contract | 340.00 | 17172 | 500.00 | 17173 | |
| c. | Channel Activations, per channel | | | | | |
| | Voice Channel Activation | 15.00 | 17174 | - | - | |
| | Data Channel Activation | 5.00 | 17175 | - | - | |
| d. | Channel Usage | | | | | |
| | Voice Channel Usage | - | - | - | - | |
| | Data Channel Usage | Note 3 | - | - | - | |
| e. | Subsequent Activity Charge, per occurrence | - | - | 200.00 | 17176 | |
| h. | Calling Line Identification with Name, Per ISDN-PRI Access | | | | | (N) |
| | Month-to-Month | 85.00 | - | Note 4 | - | \| |
| | 1-Year Contract | 75.00 | - | Note 4 | - | \| |
| | 3-Year Contract | 70.00 | - | Note 4 | - | \| |
| | 5-Year Contract | 65.00 | - | Note 4 | - | (N) |

Note 1: Service charges reflected in Section S4 of this Tariff will not apply in addition to the nonrecurring charges specified.

Note 2: The applicable rates and charges for the ISDN-PRI Facility are the monthly and nonrecurring charges for 1.544 Access Line and Special Transport, as specified in Section S20.2.6 of this Tariff. In addition, End User Charges as specified in Section 13 of the GTOC FCC No. 1 Tariff will apply per PRI Access.

Note 3: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff.

Note 4: If Caller ID with Name is added to an existing PRI arrangement, the Subsequent Service Order Change charge found in S4.3 a. (2) and the ISDN-PRI Subsequent Activity Charge, per occurrence found in S10.5.4 (e) are applicable. (N) (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
First Revised Page 71
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EFFECTIVE: January 11, 2000
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 Rates and Charges**

| | | Monthly Rate | IOSC | Nonrecurring Charge[1] | IOSC |
|---|---|---|---|---|---|
| a. | ISDN-PRI Facility | Note 2- | | Note 2 | - |
| b. | ISDN-PRI Access | | | | |
| | 12-Month Contract | $420.00 | 17170 | $500.00 | 17173 |
| | 36-Month Contract | 380.00 | 17171 | 500.00 | 17173 |
| | 60-Month Contract | 340.00 | 17172 | 500.00 | 17173 |
| c. | Channel Activations, per channel | | | | |
| | Voice Channel Activation | 15.00(R) | 17174 | - | - |
| | Data Channel Activation | 5.00 | 17175 | - | - |
| d. | Channel Usage | | | | |
| | Voice Channel Usage | - | - | - | - |
| | Data Channel Usage | Note 3 | - | - | - |
| e. | Subsequent Activity Charge, per occurrence | - | - | 200.00 | 17176 |

Note 1: Service charges reflected in Section S4 of this Tariff will not apply in addition to the nonrecurring charges specified.

Note 2: The applicable rates and charges for the ISDN-PRI Facility are the monthly and nonrecurring charges for 1.544 Access Line and Special Transport, as specified in Section S20.2.6 of this Tariff. In addition, End User Charges as specified in Section 13 of the GTOC FCC No. 1 Tariff will apply per PRI Access.

Note 3: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff.

VERIZON SOUTH INC. Sixth Revised Page 72
SOUTH CAROLINA Cancels Fifth Revised Page 72
ISSUED: June 13, 2008 EFFECTIVE: June 28, 2008
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.5 Rates and Charges (Continued)**

| | | Monthly Rate | Nonrecurring Charge | |
|---|---|---|---|---|
| g. | Subsequent Activity Charge, per occurrence | - | 200.00 | |
| h. | Calling Line Identification with Name, per ISDN-PRI Access | | | |
| | 1-Year Term Commitment | 75.00 | Note 4 | (C) |
| | 3-Year Term Commitment | 70.00 | Note 4 | (C) |
| | 5-Year Term Commitment | 65.00 | Note 1 | |
| | Term and Volume | 40.00 | Note 1 | (N) |
| i. | Optional Features | | | |
| | PRI Station Detail Billing per Account | | | |
| | Monthly Rate | 100.00 | | |
| | Nonrecurring Charge | - | | |

| | | Monthly Rate |
|---|---|---|
| j. | Term and Volume Plans [Note 2] | |
| | ISDN-PRI Access System – Flat Rate with DS1 Facility 23B + D, 23B + Backup D or 24B, per PRI [Note 3] | |
| | Package 1, 1 to 5 PRIs | |
| | 2 year | $750.00 |
| | 3 year | 720.00 |
| | Package 2, 6 + PRIs | |
| | 2 year | 700.00 |
| | 3 year | 685.00 |

Note 1: If Caller ID with Name is added to an existing PRI arrangement, the Subsequent Service Order Change charge found in S4.3 a. (2) and the ISDN-PRI Subsequent Activity Charge, per occurrence found in S10.5.4 (e) are applicable.

Note 2: Nonrecurring Charges do not apply to the initial installation of Term and Volume Plan Service. The Subsequent Activity Charges apply for changes or modifications to the PRI after the initial installation.

Note 3: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff.

Note 4: This option is grandfathered as of July 1, 2008. Existing customers may stay on their terms until the end of their contract. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: January 4, 2006
BY: Vice President
Durham, North Carolina

Fifth Revised Page 72
Cancels Fourth Revised Page 72
EFFECTIVE: JANUARY 19, 2006

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.5 Rates and Charges (Continued)**

| | | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| g. | Subsequent Activity Charge, per occurrence | - | 200.00 |
| k. | Calling Line Identification with Name, per ISDN-PRI Access | | |
| | 1-Year Term Commitment | 75.00 | Note 1 |
| | 3-Year Term Commitment | 70.00 | Note 1 |
| | 5-Year Term Commitment | 65.00 | Note 1 |
| l. | Optional Features | | (N) |
| | PRI Station Detail Billing per Account | | |
| | Monthly Rate | 100.00 | |
| | Nonrecurring Charge | - | (N) |

| | | | |
|---|---|---|---|
| m. | Term and Volume Plans [Note 2] | | (T) |
| | | | Monthly Rate |
| | ISDN-PRI Access System – Flat Rate with DS1 Facility 23B + D, 23B + Backup D or 24B, per PRI [Note 3] | | |
| | Package 1, 1 to 5 PRIs | | |
| | 2 year | | $750.00 |
| | 3 year | | 720.00 |
| | Package 2, 6 + PRIs | | |
| | 2 year | | 700.00 |
| | 3 year | | 685.00 |

Note 1: If Caller ID with Name is added to an existing PRI arrangement, the Subsequent Service Order Change charge found in S4.3 a. (2) and the ISDN-PRI Subsequent Activity Charge, per occurrence found in S10.5.4 (e) are applicable.

Note 2: Nonrecurring Charges do not apply to the initial installation of Term and Volume Plan Service. The Subsequent Activity Charges apply for changes or modifications to the PRI after the initial installation.

Note 3: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff.

(D)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: August 11, 2005
BY: Vice President
Durham, North Carolina

Fourth Revised Page 72
Cancels Third Revised Page 72
EFFECTIVE: AUGUST 26, 2005

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.5 Rates and Charges (Continued)** (T)

| | | Monthly Rate | Nonrecurring Charge | |
|---|---|---|---|---|
| g. | Subsequent Activity Charge, per occurrence | - | 200.00 | (T)(M) |
| n. | Calling Line Identification with Name, per ISDN-PRI Access | | | (T) |
| | | | | (D) |
| | 1-Year Term Commitment | 75.00 | Note 1 | (T) |
| | 3-Year Term Commitment | 70.00 | Note 1 | (T)(M) |
| | 5-Year Term Commitment | 65.00 | Note 1 | (D) |

| | | Monthly Rate | |
|---|---|---|---|
| o. | Term and Volume Plans [Note 2] | | (N) |
| | ISDN-PRI Access System – Flat Rate with DS1 Facility 23B + D, 23B + Backup D or 24B, per PRI [Note 3] | | |
| | Package 1, 1 to 5 PRIs | | |
| | 2 year | $750.00 | |
| | 3 year | 720.00 | |
| | Package 2, 6 + PRIs | | |
| | 2 year | 700.00 | (N) |
| | 3 year | 685.00 | (D) |

Note 1: If Caller ID with Name is added to an existing PRI arrangement, the Subsequent Service Order Change charge found in S4.3 a. (2) and the ISDN-PRI Subsequent Activity Charge, per occurrence found in S10.5.4 (e) are applicable. (N)

Note 2: Nonrecurring Charges do not apply to the initial installation of Term and Volume Plan Service. The Subsequent Activity Charges apply for changes or modifications to the PRI after the initial installation. (N)

Note 3: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff. (N)

(M) Some material now appearing on this page previously appeared on Page 71. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

Third Revised Page 72
Cancels Second Revised Page 72
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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 Rates and Charges (Continued)**

(D)
|
(D)

i. Out-of-Calling Scope ISDN-PRI Access (T)

| | Monthly Rate | IOSC | Nonrecurring Charge [1] | IOSC | |
|---|---|---|---|---|---|
| 12-Month Term Commitment | $620.00 | 65972 | $500.00 | 17173 | (T) |
| 36-Month Term Commitment | 580.00 | 65973 | 500.00 | 17173 | \| |
| 60-Month Term Commitment | 540.00 | 65974 | 500.00 | 17173 | (T) |

Note 1: Service charges reflected in Section 4 of this Tariff will not apply in addition to the nonrecurring charges specified.

(D)
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(D)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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Cancels First Revised Page 72
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## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 Rates and Charges (Continued)**

g. Monthly Termination Liability (T)

| | Liability | Monthly Reduction |
|---|---|---|
| 12-Month Contract | $ 5,040.00 | $ 420.00 |
| 36-Month Contract | 13,680.00 | 380.00 |
| 60-Month Contract | 20,400.00 | 340.00 |

h. Out-of-Calling Scope ISDN-PRI Access (T)

| | Monthly Rate | IOSC | Nonrecurring Charge[1] | IOSC |
|---|---|---|---|---|
| 12-Month Contract | $620.00 | 65972 | $500.00 | 17173 |
| 36-Month Contract | 580.00 | 65973 | 500.00 | 17173 |
| 60-Month Contract | 540.00 | 65974 | 500.00 | 17173 |

Note 1: Service charges reflected in Section 4 of this Tariff will not apply in addition to the nonrecurring charges specified.

Note 2: The applicable rates and charges for the ISDN-PRI Facility are the monthly and nonrecurring charges for Megalink® Service, as specified in Section 20.3 of this Tariff. In addition, End User Charges as specified in Section 13 of the GTOC FCC No. 1 Tariff will apply per PRI Access.

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.4 Rates and Charges (Continued)**

f. Monthly Termination Liability

| | Liability | Monthly Reduction |
|---|---|---|
| 12-Month Contract | $ 5,040.00 | $ 420.00 |
| 36-Month Contract | 13,680.00 | 380.00 |
| 60-Month Contract | 20,400.00 | 340.00 |

g. Out-of-Calling Scope ISDN-PRI Access (N)

| | Monthly Rate | IOSC | Nonrecurring Charge[1] | IOSC |
|---|---|---|---|---|
| 12-Month Contract | $620.00 | 65972 | $500.00 | 17173 |
| 36-Month Contract | 580.00 | 65973 | 500.00 | 17173 |
| 60-Month Contract | 540.00 | 65974 | 500.00 | 17173 (N) |

Note 1: Service charges reflected in Section 4 of this Tariff will not apply in addition to the nonrecurring charges specified. (N)

Note 2: The applicable rates and charges for the ISDN-PRI Facility are the monthly and nonrecurring charges for Megalink® Service, as specified in Section 20.3 of this Tariff. In addition, End User Charges as specified in Section 13 of the GTOC FCC No. 1 Tariff will apply per PRI Access. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.5** **Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)** (N)

**S10.5.4** **Rates and Charges (Continued)**

f. Monthly Termination Liability

| | Liability | Monthly Reduction | |
|---|---|---|---|
| 12-Month Contract | $ 5,040.00 | $ 420.00 | |
| 36-Month Contract | 13,680.00 | 380.00 | |
| 60-Month Contract | 20,400.00 | 340.00 | (N) |

VERIZON SOUTH INC. First Revised Page 72.1
SOUTH CAROLINA Cancels Original Page 72.1
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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.5 Rates and Charges (Continued)**

j. Term and Volume Plans Note 1 (Continued) (T)

| | Monthly Rate |
|---|---|
| ISDN-PRI Access System – Flat Rate w/o DS1 Facility | |
| 23B + D, 23B + Backup D or 24B, per PRI Note 2 | |
| Package 1, 1 to 5 PRIs | |
| 2 year | $615.00 |
| 3 year | 585.00 |
| Package 2, 6 + PRIs | |
| 2 year | 590.00 |
| 3 year | 570.00 |
| ISDN-PRI Access System – Measured Rate with DS1 Facility | |
| 23B + D, 23B + Backup D or 24B, per PRI Note 2 | |
| Package 1, 1 to 5 PRIs | |
| 2 year | 505.00 |
| 3 year | 450.00 |
| Package 2, 6 + PRIs | |
| 2 year | 470.00 |
| 3 year | 425.00 |
| ISDN-PRI Access System – Measured Rate w/o DS1 Facility | |
| 23B + D, 23B + Backup D or 24B, per PRI Note 2 | |
| Package 1, 1 to 5 PRIs | |
| 2 year | 390.00 |
| 3 year | 335.00 |
| Package 2, 6 + PRIs | |
| 2 year | 350.00 |
| 3 year | 310.00 |

Note 1: Nonrecurring Charges do not apply to the initial installation of Term and Volume Plan Service. The Subsequent Activity Charges apply for changes or modifications to the PRI after the initial installation.

Note 2: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff.

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES (N)

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)**

**S10.5.5 Rates and Charges (Continued)**

i. Term and Volume Plans Note 1 (Continued)

| | Monthly Rate |
|---|---|
| ISDN-PRI Access System – Flat Rate w/o DS1 Facility | |
| 23B + D, 23B + Backup D or 24B, per PRI Note 2 | |
| Package 1, 1 to 5 PRIs | |
| 2 year | $615.00 |
| 3 year | 585.00 |
| Package 2, 6 + PRIs | |
| 2 year | 590.00 |
| 3 year | 570.00 |
| ISDN-PRI Access System – Measured Rate with DS1 Facility | |
| 23B + D, 23B + Backup D or 24B, per PRI Note 2 | |
| Package 1, 1 to 5 PRIs | |
| 2 year | 505.00 |
| 3 year | 450.00 |
| Package 2, 6 + PRIs | |
| 2 year | 470.00 |
| 3 year | 425.00 |
| ISDN-PRI Access System – Measured Rate w/o DS1 Facility | |
| 23B + D, 23B + Backup D or 24B, per PRI Note 2 | |
| Package 1, 1 to 5 PRIs | |
| 2 year | 390.00 |
| 3 year | 335.00 |
| Package 2, 6 + PRIs | |
| 2 year | 350.00 |
| 3 year | 310.00 |

Note 1: Nonrecurring Charges do not apply to the initial installation of Term and Volume Plan Service. The Subsequent Activity Charges apply for changes or modifications to the PRI after the initial installation.

Note 2: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff. (N)

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SOUTH CAROLINA
ISSUED: June 13, 2008 EFFECTIVE: June 28, 2008
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.5 Integrated Services Digital Network - Primary Rate Interface (ISDN-PRI) Service (Continued)** (N)

**S10.5.5 Rates and Charges (Continued)**

k. Term and Volume Plans Note 2

| | Monthly Rate | Nonrecurring Charge |
|---|---|---|
| | | Monthly Rate |
| ISDN-PRI Access System – Flat Rate with DS1 Facility 23B + D, 23B + Backup D or 24B, per PRI Note 2 | | |
| Package 1, 1 + PRIs 1 year | | $830.00 |
| ISDN-PRI Access System – Flat Rate w/o DS1 Facility 23B + D, 23B + Backup D or 24B, per PRI Note 2 | | |
| Package 1, 1 + PRIs 1 year | | $680.00 |
| ISDN-PRI Access System – Measured Rate with DS1 Facility 23B + D, 23B + Backup D or 24B, per PRI Note 2 | | |
| Package 1, 1 + PRIs 1 year | | 600.00 |
| ISDN-PRI Access System – Measured Rate w/o DS1 Facility 23B + D, 23B + Backup D or 24B, per PRI Note 2 | | |
| Package 1, 1 + PRIs 1 year | | 450.00 |

Note 1: Nonrecurring Charges do not apply to the initial installation of Term and Volume Plan Service. The Subsequent Activity Charges apply for changes or modifications to the PRI after the initial installation.

Note 2: The applicable rates and charges for Data Channel Usage are the network usage rates for Switched Data Service, as specified in Section S10.1.6 of this Tariff. (N)

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SOUTH CAROLINA
ISSUED: May 29, 2002 EFFECTIVE: June 13, 2002
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

### S10.6 CyberDS1 Service

#### S10.6.1 General

a. CyberDS1 Service provides network dial tone service between a customer's premises and the local serving office on a channelized basis (DS0) over a single high-capacity (DS1) digital facility that terminates on the trunk side of the switch in the local serving office. CyberDS1 is available for data dialed access use. CyberDS1 may be provided from a foreign exchange to the customer's local exchange at the customer's request. All rules and rates for Foreign Exchange Service in Section 9 are applicable. (N) (N)

b. CyberDS1 is provided in capacity increments of 24 digital channels within a single DS1 (1.544 Mbps) signal.

c. CyberDS1 provides a trunkside DS1 connection with 24 channels. CyberDS1 does not provide the function of analog to digital (or vice versa) conversions and no service types can be specified on the DS1.

d. CyberDS1 is comprised of a CyberDS1 Capacity component:

(1) The CyberDS1 Capacity will be at the rates and charges as specified in Section S10.6.6 of this Tariff.

(2) CyberDS1 customers will have to select capacity in increments of 24 digital channels.

(D)

#### S10.6.2 Digital Architecture

a. CyberDS1 differs in provisioning method and numbering format from end-to-end services. These services will be available from the Company on a link basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks.

b. The time required to provision service is known as the service date interval. The service date interval for CyberDS1 and related network services connected to CyberDS1 will differ from the normal guidelines applicable to end-to-end services.

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

### S10.6 CyberDS1 Service (N)

#### S10.6.1 General

a. CyberDS1 Service provides network dial tone service between a customer's premises and the local serving office on a channelized basis (DS0) over a single high-capacity (DS1) digital facility that terminates on the trunk side of the switch in the local serving office. CyberDS1 is available for data dialed access use.

b. CyberDS1 is provided in capacity increments of 24 digital channels within a single DS1 (1.544 Mbps) signal.

c. CyberDS1 provides a trunkside DS1 connection with 24 channels. CyberDS1 does not provide the function of analog to digital (or vice versa) conversions and no service types can be specified on the DS1.

d. CyberDS1 is comprised of a CyberDS1 Capacity component:

(1) The CyberDS1 Capacity will be at the rates and charges as specified in Section S10.6.6 of this Tariff.

(2) CyberDS1 customers will have to select capacity in increments of 24 digital channels.

e. Customers will be offered CyberDS1 on a month-to-month basis only.

#### S10.6.2 Digital Architecture

a. CyberDS1 differs in provisioning method and numbering format from end-to-end services. These services will be available from the Company on a link basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks.

b. The time required to provision service is known as the service date interval. The service date interval for CyberDS1 and related network services connected to CyberDS1 will differ from the normal guidelines applicable to end-to-end services. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: December 10, 1997
BY: Vice President
Durham, North Carolina

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EFFECTIVE: January 13, 1998

## S10. DIGITAL NETWORK SERVICES

**S10.6 CyberDS1 Service (Continued)** (N)

**S10.6.2 Digital Architecture (Continued)**

c. CyberDS1 will be available on a digital basis at the network interface on a customer's premises. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superseded by the electrical specifications on the 1.544 Mbps (DS1) channel which is actually terminated. Each digital channel provided will have an identity only as a "time slot" within a DS1 Channel. Compatible digital to analog conversion equipment must be provided by the customer to derive the desired analog services. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer.

**S10.6.3 Definitions**

Channel Service Unit (CSU). The term CSU denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

CyberDS1 Capacity. A DS1 signal between the customer premises and the central office. This digital link can be used to transport switched data services. CyberDS1 is available in increments of 24 digital channels.

DS0. The term DS0 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 transmitted bit rates are limited to 56 Kbps. The required format and interface specifications are stated in Section 7000 of the GTE Technical Interface Reference Manual.

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 data rate and provides for the two-way simultaneous transmission of isochronous timed bit stream format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are stated in Section 7000 of the GTE Technical Interface Reference Manual. N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.6 CyberDS1 Service (Continued)**

**S10.6.4 Regulations**

a. CyberDS1 is furnished subject to the availability of facilities from digital central office equipment located in a central office building owned or leased by the Company. Clear Channel Capability (B8ZS) will be provided where available.

b. CyberDS1 is available within an exchange where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction Charges as specified in Section S5 of this Tariff may be applicable.

c. All CyberDS1 must be channelized in a single equipment location on a customer's premises. CyberDS1 cannot be split between premises, or multiple locations within a premise. Standard network interfaces, without Integrated Services Digital Network (ISDN) signaling and without any line type features, will be provided by the Company for analog and digital services consistent with existing practices.

d. The technical specifications and standard network interface for DS1 and associated channelized services are stated in Section 7000 of the GTE Technical Interface Reference Manual.

**S10.6.5 Application of Rates**

a. The CyberDS1 Capacity rate is applicable to each CyberDS1.

b. The CyberDS1 Capacity element provides for the network facility to the customer premises and the central office channelization.

c. Transfer of service responsibility between customers is permitted subject to the rules and regulations as specified in Section S2.3.5 of this Tariff.

d. Unless specified herein, rules and regulations contained elsewhere in this Tariff are also applicable to CyberDS1 Service.

e. CyberDS1 Credit (N)

For each increment of 24 digital channels, a credit equal to 100% of the applicable interstate Subscriber Line Charge will be applied to 22 of the 24 channels. (N)

**S10.6.6 Termination Liability**

a. See Termination Liability in General Rules and Regulations, Section 2.

VERIZON SOUTH INC. First Revised Page 75
SOUTH CAROLINA
ISSUED: May 29, 2002 EFFECTIVE: June 13, 2002
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.6 CyberDS1 Service (Continued)**

**S10.6.4 Regulations**

a. CyberDS1 is furnished subject to the availability of facilities from digital central office equipment located in a central office building owned or leased by the Company. Clear Channel Capability (B8ZS) will be provided where available.

b. CyberDS1 is available within an exchange where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction Charges as specified in Section S5 of this Tariff may be applicable.

c. All CyberDS1 must be channelized in a single equipment location on a customer's premises. CyberDS1 cannot be split between premises, or multiple locations within a premise. Standard network interfaces, without Integrated Services Digital Network (ISDN) signaling and without any line type features, will be provided by the Company for analog and digital services consistent with existing practices.

d. The technical specifications and standard network interface for DS1 and associated channelized services are stated in Section 7000 of the GTE Technical Interface Reference Manual.

**S10.6.5 Application of Rates**

a. The CyberDS1 Capacity rate is applicable to each CyberDS1.

b. The CyberDS1 Capacity element provides for the network facility to the customer premises and the central office channelization. (D)

c. Transfer of service responsibility between customers is permitted subject to the rules and regulations as specified in Section S2.3.5 of this Tariff. (T)

e. Unless specified herein, rules and regulations contained elsewhere in this Tariff are also applicable to CyberDS1 Service. (T)

**S10.6.6 Termination Liability** (N)

a. See Termination Liability in General Rules and Regulations, Section 2. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

Original Page 75
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## S10. DIGITAL NETWORK SERVICES

**S10.6 CyberDS1 Service (Continued)** (N)

**S10.6.4 Regulations**

a. CyberDS1 is furnished subject to the availability of facilities from digital central office equipment located in a central office building owned or leased by the Company. Clear Channel Capability (B8ZS) will be provided where available.

b. CyberDS1 is available within an exchange where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction Charges as specified in Section S5 of this Tariff may be applicable.

c. All CyberDS1 must be channelized in a single equipment location on a customer's premises. CyberDS1 cannot be split between premises, or multiple locations within a premise. Standard network interfaces, without Integrated Services Digital Network (ISDN) signaling and without any line type features, will be provided by the Company for analog and digital services consistent with existing practices.

d. The technical specifications and standard network interface for DS1 and associated channelized services are stated in Section 7000 of the GTE Technical Interface Reference Manual.

**S10.6.5 Application of Rates**

a. The CyberDS1 Capacity rate is applicable to each CyberDS1.

b. The CyberDS1 Capacity element provides for the network facility to the customer premises and the central office channelization.

c. CyberDS1 Service is available on a month-to-month basis only.

d. Transfer of service responsibility between customers is permitted subject to the rules and regulations as specified in Section S2.3.5 of this Tariff.

e. Unless specified herein, rules and regulations contained elsewhere in this Tariff are also applicable to CyberDS1 Service. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.6 CyberDS1 Service (Continued)**

**S10.6.7 Rates and Charges (Continued)** (T)

| | Monthly Rate | IOSC | Nonrecurring Charge | IOSC | |
|---|---|---|---|---|---|
| CyberDS1 Capacity, each | $750.00 | 00148 | $500.00 | 00149 | |
| 1 Year Term Commitment | 725.00 | | 500.00 | | (N) |
| 2 Year Term Commitment | 675.00 | | 500.00 | | |
| 3 Year Term Commitment | 600.00 | | 500.00 | | (N) |

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.6** **CyberDS1 Service (Continued)** (N)

**S10.6.6** **Rates and Charges (Continued)**

| | Monthly Rate | IOSC | Nonrecurring Charge | IOSC | |
|---|---|---|---|---|---|
| CyberDS1 Capacity, each | $750.00 | 00148 | $500.00 | 00149 | (N) |

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

### S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service

#### S10.7.1 General

a. Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) is a telecommunications transport and switching service that provides for high-speed connectivity between Customer-designated locations (CDL)s, where conditions and facilities permit. ATM CRS consists of a User Network Interface (UNI). This interface is available in various configurations including Port With Access Line Connection and Port Only Connection, with either incremental or full bandwidth. (C) | (C)

b. The UNI Port With Access Line Connection is a dedicated digital line that provides a link from the CDL to one of Company's ATM CRS hubs. UNIs are also provisioned as a Port Only Connection as defined in 10.7.4 a. (3). (C)

(D) | (D)

c. ATM CRS is a fast-packet, cell-based technology that can support user applications requiring high-bandwidth, high-performance transport and switching. This connectivity is provided via Permanent Virtual Circuits (PVCs) and/or Switched Virtual Circuits (SVCs) that are implemented over access facilities and switches that are dedicated to high-speed telecommunications services. (T)

d. UNIs, Port with Access Line Connection, Port Only Connections, PVCs and SVCs are further described in 10.7.4 a. (1-5) (C)

#### S10.7.2 Technical Specifications

a. The technical specifications for ATM CRS are delineated in Technical References TR-NWT-001112, GR-1110-CORE, GR-1248-CORE, and SR-3330.

b. The technical specifications for DS1 and DS3 signals are delineated in TR-INS-000342.

c. The technical specifications for OC3c and OC12c signals are delineated in GR-253-CORE, Issue 2.

(D) (D)

d. The technical specifications for UNIs are delineated in ATM Forum ATM User Network Interface Specifications V3.0, af-uni-0010.001, and V3.1, af-uni-0010.002. Interface specifications for Customer-provided ATM CRS compatible premises equipment or devices must also be in accordance with the specifications defined in these documents. (T)

VERIZON SOUTH INC. Original Page 77
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

### S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (N)

#### S10.7.1 General

a. Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) is a telecommunications transport and switching service that provides for high-speed connectivity between Customer-designated locations. ATM CRS consists of two interfaces: User Network Interface (UNI) and Interim Inter-switch Signaling Protocol (IISP). These interfaces are available in various configurations including Port With Access Line Connection and Port Only Connection, with either incremental or full bandwidth.

b. The UNI Port With Access Line Connection is a dedicated digital line that provides a link from the Customer's premises to one of Company's ATM CRS hubs. UNIs are also provisioned as a Port Only Connection as defined in 10.7.4 a. (3).

c. The IISP Port With Access Line Connection, which is essentially equivalent to the UNI, provides a link from an Interexchange Carrier or another Customer's network to one of Company's ATM CRS hubs. IISPs are also provisioned as a Port Only Connection as defined in 10.7.4 a. (3)..

d. ATM CRS is a fast-packet, cell-based technology that can support user applications requiring high-bandwidth, high-performance transport and switching. This connectivity is provided via Permanent Virtual Circuits (PVCs) and/or Switched Virtual Circuits (SVCs) that are implemented over access facilities and switches that are dedicated to high-speed telecommunications services.

e. UNIs, IISPs, Port Only Connections, PVCs and SVCs are further described in 10.7.4 a. (1-5)

#### S10.7.2 Technical Specifications

a. The technical specifications for ATM CRS are delineated in Technical References TR-NWT-001112, GR-1110-CORE, GR-1248-CORE, and SR-3330.

b. The technical specifications for DS1 and DS3 signals are delineated in TR-INS-000342.

c. The technical specifications for OC3c and OC12c signals are delineated in GR-253-CORE, Issue 2.

d. The technical specifications for IISP interfaces are delineated in ATM Forum Interim Inter-switch Signaling Protocol, af-pnni-0026.000.

e. The technical specifications for UNIs are delineated in ATM Forum ATM User Network Interface Specifications V3.0, af-uni-0010.001, and V3.1, af-uni-0010.002. Interface specifications for Customer-provided ATM CRS compatible premises equipment or devices must also be in accordance with the specifications defined in these documents. (N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.3 Definitions**

In addition to the Definition of Terms set forth in the General Customer Services Tariff, Section 1, the following definitions apply:

Hub - A Company designated serving wire center that is equipped to provide service.

Maximum Burst Size - The term "Maximum Burst Size" (MBS) denotes the consecutive number of ATM cells that can enter the ATM Cell Relay Service network above the Sustained Cell Rate level and below the Peak Cell Rate level.

**S10.7.4 Regulations**

a. Service Components

The major components of ATM CRS are:

UNI Port With Access Line Connection (D)

Port Only Connection
Permanent Virtual Circuit (PVC)
Switched Virtual Circuit (SVC)
Effective Bandwidth

(1) User Network Interface (UNI) Port With Access Line Connection

UNI Port With Access Line Connections are available at the DS1, DS3, OC3c, and OC12c levels, and provide dedicated transport between CDL and an ATM CRS hub. There are two types of UNIs: Full and Incremental. The Full UNI includes all available bandwidth in one rate, and the Incremental UNI is sold and provisioned with PVC and/or SVC bandwidth increments. The DS1 UNI is not offered in increments. (C) (C)

In order for Customer traffic to be carried on the network, each Incremental UNI requires at least one 5 Mbps increment of either PVC or SVC bandwidth. The Customer may elect to subscribe to multiple PVCs. The SVC feature is established over the UNI via connection identifiers, which enables the Customer to have virtual connections to various locations. (C)

UNIs are provided at nominal data rates of 1.544 Mbps (DS1), 45 Mbps (DS3), 155 Mbps (OC3c), or 622 Mbps (OC12c). OC3c and OC12c are provided as a concatenated signal in STS-3c and STS-12c (Synchronous Transport Signal) formats, respectively. The actual throughput into CRS is less than the line rate for the UNI provided. (C)

The rates and charges for a UNI are differentiated by the capacity of the UNI, the location where the UNI originates (i.e., Customer-designated premises) and mileage ranges (expressed as tiers) associated with extending the UNI to the wire center designated as the ATM CRS hub.

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.3 Definitions**

In addition to the Definition of Terms set forth in the General Customer Services Tariff, Section 1, the following definitions apply:

Hub - A Company designated serving wire center that is equipped to provide service.

Maximum Burst Size - The term "Maximum Burst Size" (MBS) denotes the consecutive number of ATM cells that can enter the ATM Cell Relay Service network above the Sustained Cell Rate level and below the Peak Cell Rate level.

**S10.7.4 Regulations**

a. Service Components

The major components of ATM CRS are:

UNI Port With Access Line Connection
IISP interface Port With Access Line Connection
Port Only Connection
Permanent Virtual Circuit (PVC)
Switched Virtual Circuit (SVC)
Effective Bandwidth

(1) User Network Interface (UNI) Port With Access Line Connection

UNI Port With Access Line Connections, which are available at the DS1, DS3, OC3c, and OC12c levels, provide dedicated transport between Customer-designated premises and an ATM CRS hub. There are two types of UNIs: Full and Incremental. The Full UNI includes all available bandwidth in one rate, and the Incremental UNI is sold and provisioned with PVC and/or SVC bandwidth increments. The DS1 UNI is not offered in increments.

In order for Customer traffic to be carried on the network, each Incremental UNI requires at least one 5 Mbps increment of either PVC or SVC bandwidth. The Customer may elect to subscribe to multiple PVCs. This feature is established over the UNI via connection identifiers, which enables the Customer to have virtual connections to various locations.

UNIs are provided at nominal data rates of 1.544 Mbps (DS1), 44.736 Mbps (DS3), 155.52 Mbps (OC3c), or 622 Mbps (OC12c). OC3c and OC12c are provided as a concatenated signal in STS-3c and STS-12c (Synchronous Transport Signal) formats, respectively. The actual throughput into CRS is less than the line rate for the UNI provided.

The rates and charges for a UNI are differentiated by the capacity of the UNI, the location where the UNI originates (i.e., Customer-designated premises) and mileage ranges (expressed as tiers) associated with extending the UNI to the wire center designated as the ATM CRS hub. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.4 Regulations (Continued)**

a. Service Components (Continued)

(1) (Continued)

The OC3c and OC12c UNI Port With Access Line Connections are provisioned on either Protected or Protected Diverse Synchronous Optical Network (SONET). SONET is a standards-based fiber optic communication network that transports both asynchronous and synchronous digital signals using the Synchronous Transport Signal (STS) format. ATM OC3c and OC12c Protected SONET UNI Port With Access Line Connections are provisioned over SONET as a survivable service with an alternate (not diverse) facility between the central office and the Customer premises. ATM OC3c and OC12c Protected Diverse SONET UNI Port With Access Line Connections are provisioned over SONET as a survivable service with an alternate and diverse path between the ATM CRS hub and the Customer premises. (C) (C) (D) | (D) (D) | (D)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.4 Regulations (Continued)**

b. Service Components (Continued)

(1) (Continued)

The OC3c and OC12c UNI Port With Access Line Connections are provisioned on either Protected or Protected Diverse Synchronous Optical Network (SONET) facilities or Direct Fiber Facilities. SONET is a standards-based fiber optic communication network that transports both asynchronous and synchronous digital signals using the Synchronous Transport Signal (STS) format. ATM OC3c and OC12c Protected SONET UNI Port With Access Line Connections are provisioned over SONET as a survivable service with an alternate (not diverse) facility between the central office and the Customer premises. ATM OC3c and OC12c Protected Diverse SONET UNI Port With Access Line Connections are provisioned over SONET as a survivable service with an alternate and diverse path between the ATM CRS hub and the Customer premises. Direct Fiber UNI Port With Access Line Connection is a type of OC3c or OC12c ATM UNI that is provisioned with no alternate facility between the ATM CRS hub and the Customer premises. DS3, OC3c, OC12c and other interfaces, both electrical and optical, are supported and defined to the technical specifications set forth in 10.7.2

(2) Interim Inter-switch Signaling Protocol (IISP) Port With Access Line Connection

IISP Port With Access Line Connection, which is similar to the Full UNI described in 10.7.4 a. (1) preceding, allows network-to-network connectivity through the use of PVCs and/SVCs. The IISP interface specifies how a Company ATM CRS switch sends and receives data from an Interexchange Carrier's or other Customer's ATM CRS network. The IISP connection consists of a 1.544 Mbps (DS1), a 44.736 Mbps (DS3) 155.52 Mbps (OC3c), or a 622 Mbps (OC12c) digital facility from the Interexchange Carrier's network to the Company's ATM CRS switch and the appropriate port interface connection. The monthly rates for the IISP Port With Access Line Connection interfaces apply only to the Tier 1 mileage band (0 to 5 miles).

The IISP Port With Access Line Connection, like the UNI Port With Access Line Connection, includes Protected and Protected Diverse SONET OC3c and OC12c connections and Direct Fiber OC3c and O12c connections. ATM Protected OC3c and OC12c SONET IISP connections are provisioned as a survivable service with an alternate (not diverse) facility. ATM Protected Diverse OC3c and OC12c IISP interfaces are provisioned over SONET as a survivable service with an alternate diverse path between the local serving office and the Customer premises. Direct Fiber is a type of OC3c and OC12c ATM IISP that is provisioned using an optical fiber interface with no alternate facility. DS1, DS3, OC3c, OC12c, both electrical and optical, are supported and defined to the technical specifications set forth in 10.7.2. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.4 Regulations (Continued)**

a. Service Components (Continued)

(3) Port Only Connection

Port Only Connections can be established as User to Network Interface (UNI). The UNI and Port Only connection provides an ATM Cell Relay Network connection based on the port connection speeds of DS1, DS3, OC3c and OC12c. The ATM port speed will be consistent with the channel speed of the access channel. The actual throughput of Customer traffic cannot exceed the bandwidth of the access channel and port speed. (C)

UNI Port Only Connections are available as either Incremental or Full. This refers to the bandwidth that is required to provision PVCs on the port. Incremental ports come with no bandwidth and bandwidth is purchased in increments based on Customer bandwidth requirements. Full ports come with all bandwidth included up to the maximum rate of the port. Each port can accommodate multiple PVCs or SVCs depending on the bandwidth purchased. UNI Port Only is available on a one-year, two-year, three-year and five-year term period. (C) (C) (C)

Customers may access Port Only Connections via Company-provided digital access facilities or via facilities provided by another carrier. When access facilities are provided by the Company, the associated regulations, rates and charges under the appropriate Company Tariff shall apply in addition to the regulations, rates and charges associated with ATM CRS. Company-provided access facilities may also be provisioned on an Individual Case Basis (ICB) where access facilities are not generally available under the applicable tariff. Charges to connect access line services provided by the Company or another carrier may apply and will be billed separately. Any special construction or nonstandard charges assessed by the carrier supplying the access facilities will be the responsibility of the Customer. (C)

(4) Permanent Virtual Circuit (PVC)

The PVC defines a virtual connection across a UNI between the Customer premises and Company's ATM CRS hub. Each UNI requires at least one PVC in order for Customer traffic to traverse the network. Each ATM cell carries a unique tag which identifies that ATM CRS cell as belonging to a particular PVC. A PVC is a logical channel connecting two or more CDLs with virtual connections through a Company provided ATM CRS switch(es). The PVCs may be provided on a point-to-point or point-to-multipoint basis. When a PVC is provided as a point-to-point virtual connection, transmission is bi-directional allowing for ATM CRS cells to be transmitted or received over the same PVC. For point-to-multipoint virtual connections, transmission is provided as transmit only. The virtual connection is set up by Company based on information contained on a service order rather than by dial-up signaling. (C) (C) (C)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.4 Regulations (Continued)**

a. Service Components (Continued)

(3) Port Only Connection

Port Only Connections can be established as User to Network Interface (UNI) arrangements or Interim Inter-switch Signaling Protocol (IISP). UNI and IISP Port Only connection provides an ATM Cell Relay Network connection based on the port connection speeds of DS1, DS3, OC3c and OC12c. The ATM port speed will be consistent with the channel speed of the access channel. The actual throughput of Customer traffic cannot exceed the bandwidth of the access channel and port speed.

UNI Port Only Connections are available as either Incremental or Full. IISP Port Only Connections are available as Full. This refers to the bandwidth that is required to provision PVCs on the port. Incremental ports come with no bandwidth and bandwidth is purchased in increments based on Customer bandwidth requirements. Full ports come with all bandwidth included up to the maximum rate of the port. Each port can accommodate multiple PVCs or SVCs depending on the bandwidth purchased. UNI or IISP Port Only is available on a one-year, three-year and five-year term.

Customers may access Port Only Connections via Company-provided digital access facilities or via facilities provided by another carrier. When access facilities are provided by the Company, the associated regulations, rates and charges under the appropriate Company Tariff shall apply in addition to the regulations, rates and charges associated with ATM CRS. Company-provided access facilities may also be provisioned on an Individual Case Basis (ICB) where access facilities are not generally available under the applicable tariff. Interconnection charges to connect access line services provided by the Company or another carrier may apply and will be billed separately. Any special construction or nonstandard charges assessed by the carrier supplying the access facilities will be the responsibility of the Customer.

(4) Permanent Virtual Circuit (PVC)

The PVC defines a virtual connection across a UNI or IISP between the Customer premises and Company's ATM CRS hub. Each UNI or IISP requires at least one PVC in order for Customer traffic to traverse the network. Each ATM cell carries a unique tag which identifies that ATM CRS cell as belonging to a particular PVC. A PVC is a logical channel connecting two or more Customer-designated premises with virtual connections through a Company provided ATM CRS switch(es). The PVCs may be provided on a point-to-point or point-to-multipoint basis. When a PVC is provided as a point-to-point virtual connection, transmission is bi-directional allowing for ATM CRS cells to be transmitted or received over the same PVC. For point-to-multipoint virtual connections, transmission is provided as transmit only. The virtual connection is set up by Company based on information contained on a service order rather than by dial-up signaling. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.4 Regulations (Continued)**

a. Service Components (Continued)

(4) (Continued)

PVCs consist of two types: Virtual Channel Connections (VCCs) and Virtual Path Connections (VPCs). A VCC is a type of PVC with independent identity and defined service parameters that are provisioned via service order, and cannot be altered by the Customer without additional service order activity. A VPC is a type of PVC with defined service parameters that is provisioned via service order. Customers may provision their own virtual channels within the VPC, provided that the sum of the service parameters of all of the virtual channels does not exceed the aggregate service parameters of the VPC.

If the information provided by the Customer for the requested PVCs results in an interstate arrangement, the PVC falls under the federal jurisdiction and is subject to the rates, terms and conditions set forth in the Company's FCC tariff. (N) | (N)

(5) Switched Virtual Circuit (SVC)

SVCs are similar in structure to PVCs, but SVCs are provisioned on demand by Customer premises equipment that signals the ATM cell relay network to set up and tear down logical connections. The network will respond to these requests by provisioning a virtual connection across the network based on the class of service parameters requested, provided that sufficient network resources are available to establish the connection. Each UNI that is SVC signal enabled will be provided with a SVC International Code Designator (ICD) prefix that will uniquely identify the UNI. Customers must use this Company assigned prefix when requesting SVC virtual connections across the Company Cell Relay Network. Each Constant Bit Rate (CBR) and Variable Bit Rate (VBR) SVC will be limited to a maximum Peak Cell Rate of 20 Mbps and a maximum Sustained Cell Rate of 20 Mbps. (C) (C)

Closed User Group (CUG) capability is a feature associated with SVCs. A CUG provides the ability to contain SVC calls between certain UNIs. A CUG functionally groups UNIs into logical associations and allows calling privileges to be specified network wide. A CUG provides a network-wide mechanism for access control. CUGs provide a logical grouping of UNIs, creating a SVC community of interest.

(6) Effective Bandwidth

Effective bandwidth is the bandwidth reserved for each logical connection (PVC or SVC) that is set up across a UNI. It is based on the Peak Cell Rate (PCR), Sustained Cell Rate (SCR), Maximum Burst Size, and the class of service parameters selected, i.e., CBR, VBRrt (Variable Bit Rate real time), VBRnrt (Variable Bit Rate non-real time), or UBR (Unspecified Bit Rate). The total effective bandwidth of all the logical connections on a UNI cannot exceed the total bandwidth available on the UNI. Effective bandwidth prices do not vary by class of service level selected. However, effective bandwidth is consumed in varying degrees based on the class of service parameters selected. The higher the class of service, the more bandwidth will be reserved. A CBR PVC with the same PCR as a VBR PVC will reserve more effective bandwidth. (C) (C) (C)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.4 Regulations (Continued)**

a. Service Components (Continued)

(4) (Continued)

PVCs consist of two types: Virtual Channel Connections (VCCs) and Virtual Path Connections (VPCs). A VCC is a type of PVC with independent identity and defined service parameters that are provisioned via service order, and cannot be altered by the Customer without additional service order activity. A VPC is a type of PVC with defined service parameters that is provisioned via service order. Customers may provision their own virtual channels within the VPC, provided that the sum of the service parameters of all of the virtual channels does not exceed the aggregate service parameters of the VPC.

(D)
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(D)

(5) Switched Virtual Circuit (SVC)

SVCs are similar in structure to PVCs, but SVCs are provisioned on demand by Customer premises equipment that signals the ATM cell relay network to set up and tear down logical connections. The network will respond to these requests by provisioning a virtual connection across the network based on the class of service parameters requested, provided that sufficient network resources are available to establish the connection. Each UNI or IISP that is SVC signal enabled will be provided with a SVC International Code Designator (ICD) prefix that will uniquely identify the UNI or IISP. Customers must use this Company assigned prefix when requesting SVC virtual connections across the Company Cell Relay Network. Each Constant Bit Rate (CBR) and Variable Bit Rate (VBR) SVC will be limited to a maximum Peak Cell Rate of 20 Mbps and a maximum Sustained Cell Rate of 20 Mbps.

Closed User Group (CUG) capability is a feature associated with SVCs. A CUG provides the ability to contain SVC calls between certain UNIs. A CUG functionally groups UNIs into logical associations and allows calling privileges to be specified network wide. A CUG provides a network-wide mechanism for access control. CUGs provide a logical grouping of UNIs, creating a SVC community of interest.

(6) Effective Bandwidth

Effective bandwidth is the bandwidth reserved for each logical connection (PVC or SVC) that is set up across a UNI or IISP. It is based on the Peak Cell Rate (PCR), Sustained Cell Rate (SCR), Maximum Burst Size, and the class of service parameters selected, i.e., CBR, VBRrt (Variable Bit Rate real time), VBRnrt (Variable Bit Rate non-real time), or UBR (Unspecified Bit Rate). The total effective bandwidth of all the logical connections on a UNI or IISP cannot exceed the total bandwidth available on the UNI or IISP. Effective bandwidth prices do not vary by class of service level selected. However, effective bandwidth is consumed in varying degrees based on the class of service parameters selected. The higher the class of service, the more bandwidth will be reserved. A CBR PVC with the same PCR as a VBR PVC will reserve more effective bandwidth.

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.4 Regulations (Continued)**

a. Service Components (Continued)

(4) (Continued)

PVCs consist of two types: Virtual Channel Connections (VCCs) and Virtual Path Connections (VPCs). A VCC is a type of PVC with independent identity and defined service parameters that are provisioned via service order, and cannot be altered by the Customer without additional service order activity. A VPC is a type of PVC with defined service parameters that is provisioned via service order. Customers may provision their own virtual channels within the VPC, provided that the sum of the service parameters of all of the virtual channels does not exceed the aggregate service parameters of the VPC.

If the information provided by the Customer for the requested PVCs results in an interstate arrangement, the PVC falls under the federal jurisdiction and will be rated from the Verizon Telephone Companies Tariff FCC No. 20.

(5) Switched Virtual Circuit (SVC)

SVCs are similar in structure to PVCs, but SVCs are provisioned on demand by Customer premises equipment that signals the ATM cell relay network to set up and tear down logical connections. The network will respond to these requests by provisioning a virtual connection across the network based on the class of service parameters requested, provided that sufficient network resources are available to establish the connection. Each UNI or IISP that is SVC signal enabled will be provided with a SVC International Code Designator (ICD) prefix that will uniquely identify the UNI or IISP. Customers must use this Company assigned prefix when requesting SVC virtual connections across the Company Cell Relay Network. Each Constant Bit Rate (CBR) and Variable Bit Rate (VBR) SVC will be limited to a maximum Peak Cell Rate of 20 Mbps and a maximum Sustained Cell Rate of 20 Mbps.

Closed User Group (CUG) capability is a feature associated with SVCs. A CUG provides the ability to contain SVC calls between certain UNIs. A CUG functionally groups UNIs into logical associations and allows calling privileges to be specified network wide. A CUG provides a network-wide mechanism for access control. CUGs provide a logical grouping of UNIs, creating a SVC community of interest.

(6) Effective Bandwidth

Effective bandwidth is the bandwidth reserved for each logical connection (PVC or SVC) that is set up across a UNI or IISP. It is based on the Peak Cell Rate (PCR), Sustained Cell Rate (SCR), Maximum Burst Size, and the class of service parameters selected, i.e., CBR, VBRrt (Variable Bit Rate real time), VBRnrt (Variable Bit Rate non-real time), or UBR (Unspecified Bit Rate). The total effective bandwidth of all the logical connections on a UNI or IISP cannot exceed the total bandwidth available on the UNI or IISP. Effective bandwidth prices do not vary by class of service level selected. However, effective bandwidth is consumed in varying degrees based on the class of service parameters selected. The higher the class of service, the more bandwidth will be reserved. A CBR PVC with the same PCR as a VBR PVC will reserve more effective bandwidth. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.4 Regulations (Continued)**

b. Provision of Service

ATM CRS includes:

(1) At least one UNI Port With Access Line or Port Only, or Port Only connection which has a maximum nominal capacity for either DS1 (1.544Mbps), DS3 (45 Mbps), OC3c (155 Mbps), or OC12c (622 Mbps). The OC3c and OC12c UNIs are provisioned over Protected or Protected Diverse SONET. The Protected and Protected Diverse SONET facilities provide a backup facility that automatically switches in the event of a failure on the primary facility. (C) (C) (C)

(2) Unlimited usage on purchased bandwidth.

(3) Incremental UNIs must have at least one increment of effective bandwidth (either PVC or SVC) in order for traffic to traverse the network. The DS1, DS3, OC3c, and OC12c Full UNIs are equipped with the full effective bandwidth.

(4) Either one or more PVCs. When PVC bandwidth is purchased, one or more PVCs must be selected for Customer traffic to traverse the network.

(5) Two types of PVCs, (i) Virtual Channel Connections (VCCs) and (ii) Virtual Path Connections (VPCs), which support the following Classes of Service:

a. Constant Bit Rate (CBR)
b. Variable Bit Rate real time (VBRrt)
c. Variable Bit Rate non-real time (VBRnrt)
d. Unspecified Bit Rate (UBR)

c. Tier Structure for Local Serving Offices

Locations (wire centers) that provide ATM CRS have been designated as ATM hubs. Each local serving office has been placed in a Tier 1, 2 or 3, based on its location relative to the closest ATM hub.

d. Service Functionality

The ATM CRS functionality consists of transporting 53-byte cells of information from the CDL to a Company ATM hub over a UNI. The traffic is routed in the switch to another UNI, or other suitable network connection. (C) (C)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.4 Regulations (Continued)**

b. Provision of Service

ATM CRS includes:

(1) At least one UNI Port With Access Line or Port Only, or one IISP With Access Line or Port Only which has a maximum nominal capacity for either DS1 (1.544Mbps), DS3 (45 Mbps), OC3c (155 Mbps), or OC12c (622 Mbps). The OC3c and OC12c UNIs are provisioned over Protected or Protected Diverse SONET or Direct Fiber facilities. The Protected and Protected Diverse SONET facilities provide a backup facility that automatically switches in the event of a failure on the primary facility. The Direct Fiber facilities do not have an alternate facility.

(2) Unlimited usage on purchased bandwidth.

(3) Incremental UNIs must have at least one increment of effective bandwidth (either PVC or SVC) in order for traffic to traverse the network. The DS1, DS3, OC3c, and OC12c Full UNIs are equipped with the full effective bandwidth.

(4) Either one or more PVCs. When PVC bandwidth is purchased, one or more PVCs must be selected for Customer traffic to traverse the network.

(5) Two types of PVCs, (i) Virtual Channel Connections (VCCs) and (ii) Virtual Path Connections (VPCs), which support the following Classes of Service:

a. Constant Bit Rate (CBR)
b. Variable Bit Rate real time (VBRrt)
c. Variable Bit Rate non-real time (VBRnrt)
d. Unspecified Bit Rate (UBR)

c. Tier Structure for Local Serving Offices

Locations (wire centers) that provide ATM CRS have been designated as ATM hubs. Each local serving office has been placed in a Tier 1, 2 or 3, based on its location relative to the closest ATM hub.

d. Service Functionality

The ATM CRS functionality consists of transporting 53-byte cells of information from the Customer location to a Company ATM hub over a UNI or IISP. The traffic is routed in the switch to another UNI or IISP, or other suitable network connection. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.4 Regulations (Continued)**

e. Class of Service Parameters

(1) Constant Bit Rate (CBR)

a. Peak/Sustained Cell Rate:

Customer specified in increments of 64 Kbps up to the maximum speed of the UNI. (C)

b. Non-conforming cells:

Discarded

c. Cell Delay Variation Tolerance (CDVT):

DS1 = 600 microseconds
DS3 = 600 microseconds
OC3c = 600 microseconds
OC12c = 600 microseconds

(2) Variable Bit Rate (VBR) Real Time/Non-Real Time

a. Sustained Cell Rate (SCR):

Customer specified in increments of 64 Kbps up to the maximum speed of the UNI. (C)

b. Peak Cell Rate (PCR):

Customer selectable in increments of 64 Kbps up to line rate. Default is 200% of SCR for PVCs. (The ratio of PCR to SCR will be signaled by CPE for SVCs. Therefore there is no default value.)

c. Non-conforming cells:

Discarded

d. Cell Delay Variation Tolerance (CDVT):

DS1 = 600 microseconds
DS3 = 600 microseconds
OC3c = 600 microseconds
OC12c = 600 microseconds

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.4 Regulations (Continued)**

e. Class of Service Parameters

(1) Constant Bit Rate (CBR)

a. Peak/Sustained Cell Rate:

Customer specified in increments of 64 Kbps up to the maximum speed of the UNI or IISP.

b. Non-conforming cells:

Discarded

c. Cell Delay Variation Tolerance (CDVT):

DS1 = 600 microseconds
DS3 = 600 microseconds
OC3c = 600 microseconds
OC12c = 600 microseconds

(2) Variable Bit Rate (VBR) Real Time/Non-Real Time

a. Sustained Cell Rate (SCR):

Customer specified in increments of 64 Kbps up to the maximum speed of the UNI or IISP.

b. Peak Cell Rate (PCR):

Customer selectable in increments of 64 Kbps up to line rate. Default is 200% of SCR for PVCs. (The ratio of PCR to SCR will be signaled by CPE for SVCs. Therefore there is no default value.)

c. Non-conforming cells:

Discarded

d. Cell Delay Variation Tolerance (CDVT):

DS1 = 600 microseconds
DS3 = 600 microseconds
OC3c = 600 microseconds
OC12c = 600 microseconds (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.4 Regulations (Continued)**

f. Special Conditions

(1) ATM CRS is available where facilities and conditions permit. For locations where the Customer requests ATM CRS and digital, SONET or Direct Fiber facilities are not available, special construction charges may apply.

(D)
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(D)

(2) Maintenance Window - To meet the Customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally these upgrades will be performed between the hours of 11 PM and 8 AM. Network upgrades are planned to provide Customers reasonable and timely notification in order to minimize any impact on the Customers' service. (T)

g. Responsibility of the Customer

The Customer must provide the necessary compatible premise equipment or ATM CRS device capable of interfacing with the Company's ATM CRS.

h. Responsibility of the Company

Company is responsible for service up to and including the network interface. Company's responsibility is limited to the furnishing of communications facilities and switches suitable for ATM CRS.

ATM CRS is supported by the Company's Single Point of Contact (SPOC) center, which provides continuous support for ATM CRS 24 hours per day, seven days per week (24x7) with the ability to manage all of the Customer's ATM CRS as a single network. The SPOC performs maintenance, trouble resolution and network management functions on a 24x7 basis. Service order processing and network installation functions are performed only during normal business hours.

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.4 Regulations (Continued)**

f. Special Conditions

(1) ATM CRS is available where facilities and conditions permit. For locations where the Customer requests ATM CRS and digital, SONET or Direct Fiber facilities are not available, special construction charges may apply.

(2) OC3c and OC12c Direct Fiber facilities are not available in Tier 3. Due to loss limitations of optical signals, some requests for OC3c and OC12c Direct Fiber solutions by Customers located within the upper limits of Tier 2 may be out of reach and will not be served with a Direct Fiber solution.

(3) Maintenance Window - To meet the Customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally these upgrades will be performed between the hours of 11 PM and 8 AM. Network upgrades are planned to provide Customers reasonable and timely notification in order to minimize any impact on the Customers' service.

g. Responsibility of the Customer

The Customer must provide the necessary compatible premise equipment or ATM CRS device capable of interfacing with the Company's ATM CRS.

h. Responsibility of the Company

Company is responsible for service up to and including the network interface. Company's responsibility is limited to the furnishing of communications facilities and switches suitable for ATM CRS.

ATM CRS is supported by the Company's Single Point of Contact (SPOC) center, which provides continuous support for ATM CRS 24 hours per day, seven days per week (24x7) with the ability to manage all of the Customer's ATM CRS as a single network. The SPOC performs maintenance, trouble resolution and network management functions on a 24x7 basis. Service order processing and network installation functions are performed only during normal business hours. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: June 20, 2005
BY: Vice President
Durham, North Carolina

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EFFECTIVE: July 5, 2005

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.5 Termination Liability**

In the event ATM CRS is terminated by the Customer prior to completion of the initial term commitment period, Termination Liability charges, as outlined in General Customers Service Tariff, General Regulations, Section 2.10, will apply.

In addition to the standard Termination Liability outlined in Section 2.10, the following Termination Liability applies:

(a) Moves

When the Customer requests a move or relocation of the UNI or IISP, the move or relocation will be treated as a termination of the existing service and the establishment of a new service.

(b) Special Facilities Routing

The Customer may request that the facilities used to provide ATM CRS be specially routed. Additional charges will apply based on cost.

(c) Acceptance Testing

At no additional charge, the Company will, at the Customer's request, cooperatively test, at the time of installation. Acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

**S10.7.6 Application of Rates and Charges**

a. Rate Elements

The following rate elements are applicable to ATM CRS:

- User Network Interfaces (UNIs) Port With Access Line Connection
- User Network Interfaces (UNIs) Port Only Connection
- Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port With Access Line Connection
- Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port Only Connection
- Permanent Virtual Circuits (PVCs)
- Effective Bandwidth for Incremental UNIs or IISPs
- Closed User Groups (CUG)
- Administrative Charge

(1) User Network Interfaces (UNIs) Port With Access Line Connection

A monthly rate apply on a per Port With Access Line basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental, SONET, Protected or Protected Diverse) of the access connection. UNI Port and Access is offered as a one-year, two-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply. (C) (C)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.5 Termination Liability**

In the event ATM CRS is terminated by the Customer prior to completion of the initial term commitment period, Termination Liability charges, as outlined in General Customers Service Tariff, General Regulations, Section 2.10, will apply.

In addition to the standard Termination Liability outlined in Section 2.10, the following Termination Liability applies:

(a) Moves

When the Customer requests a move or relocation of the UNI or IISP, the move or relocation will be treated as a termination of the existing service and the establishment of a new service.

(b) Special Facilities Routing

The Customer may request that the facilities used to provide ATM CRS be specially routed. Additional charges will apply based on cost.

(c) Acceptance Testing

At no additional charge, the Company will, at the Customer's request, cooperatively test, at the time of installation. Acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

**S10.7.6 Application of Rates and Charges**

a. Rate Elements

The following rate elements are applicable to ATM CRS:

- User Network Interfaces (UNIs) Port With Access Line Connection
- User Network Interfaces (UNIs) Port Only Connection
- Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port With Access Line Connection
- Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port Only Connection
- Permanent Virtual Circuits (PVCs)
- Effective Bandwidth for Incremental UNIs or IISPs
- Closed User Groups (CUG)
- Administrative Charge (N)

(1) User Network Interfaces (UNIs) Port With Access Line Connection

A monthly rate apply on a per Port With Access Line basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental, Direct Fiber or SONET, Protected or Protected Diverse) of the access connection. UNI Port and Access is offered as a one-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply.

GTE SOUTH INCORPORATED
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.5 Termination Liability**

In the event ATM CRS is terminated by the Customer prior to completion of the initial term commitment period, Termination Liability charges, as outlined in General Customers Service Tariff, General Regulations, Section 2.10, will apply.

In addition to the standard Termination Liability outlined in Section 2.10, the following Termination Liability applies:

(a) Moves

When the Customer requests a move or relocation of the UNI or IISP, the move or relocation will be treated as a termination of the existing service and the establishment of a new service.

(b) Special Facilities Routing

The Customer may request that the facilities used to provide ATM CRS be specially routed. Additional charges will apply based on cost.

(c) Acceptance Testing

At no additional charge, the Company will, at the Customer's request, cooperatively test, at the time of installation. Acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

**S10.7.6 Application of Rates and Charges**

a. Rate Elements

The following rate elements are applicable to ATM CRS:

- User Network Interfaces (UNIs) Port With Access Line Connection
- User Network Interfaces (UNIs) Port Only Connection
- Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port With Access Line Connection
- Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port Only Connection
- Permanent Virtual Circuits (PVCs)
- Effective Bandwidth for Incremental UNIs or IISPs
- Closed User Groups (CUG)

(1) User Network Interfaces (UNIs) Port With Access Line Connection

A monthly rate apply on a per Port With Access Line basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental, Direct Fiber or SONET, Protected or Protected Diverse) of the access connection. UNI Port and Access is offered as a one-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.6 Application of Rates and Charges (Continued)**

a. Rate Elements (Continued)

(2) User Network Interfaces (UNIs) Port Only Connection

A monthly rate applies on a per Port Only basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental) of the port only connection. UNI Port Only is offered as a one-year, two-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply. (C)

(D)

(D)

(T)

(3) Permanent Virtual Circuits (PVCs)

(C)

The administrative charge does not apply when PVCs are installed at the same time as the respective UNIs.

If the information provided by the Customer for the requesed PVCs results in an interstate arrangement, the PVC falls under the federal jurisdiction, and is subject to the rates, terms and conditions set forth in the Company's FCC tariff. (C)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.6 Application of Rates and Charges (Continued)**

a. Rate Elements (Continued)

(2) User Network Interfaces (UNIs) Port Only Connection

A monthly rate applies on a per Port Only basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental) of the port only connection. UNI Port Only is offered as a one-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply.

(3) Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port With Access Line Connection

A monthly rate applies on a per Port With Access Line basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c), based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental, Direct Fiber or SONET) of the access connection. IISP Port and Access is only available in Tier 1 and is offered as a one-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply.

(4) Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port Only Connection

A monthly rate applies on a per Port Only basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c), based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental) of the port only connection. IISP Port Only is only available in Tier 1 and is offered as a one-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply.

(5) Permanent Virtual Circuits (PVCs)

A nonrecurring charge applies per order for Virtual Channel Connection (VCC) or Virtual Path Connection (VPC). PVCs are ordered per UNI or IISP. If multiple UNIs or IISPs are involved, a nonrecurring charge will apply to each UNI or IISP Port on which the virtual connections will reside. The nonrecurring does not apply when PVCs are installed at the same time as the respective UNIs or IISPs.

(D)
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(D)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.6 Application of Rates and Charges (Continued)**

a. Rate Elements (Continued)

(2) User Network Interfaces (UNIs) Port Only Connection

A monthly rate applies on a per Port Only basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental) of the port only connection. UNI Port Only is offered as a one-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply.

(3) Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port With Access Line Connection

A monthly rate applies on a per Port With Access Line basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c), based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental, Direct Fiber or SONET) of the access connection. IISP Port and Access is only available in Tier 1 and is offered as a one-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply.

(4) Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port Only Connection

A monthly rate applies on a per Port Only basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c), based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental) of the port only connection. IISP Port Only is only available in Tier 1 and is offered as a one-year, three-year or five-year Extended Service Plan (ESP). No nonrecurring charges apply.

(5) Permanent Virtual Circuits (PVCs)

A nonrecurring charge applies per order for Virtual Channel Connection (VCC) or Virtual Path Connection (VPC). PVCs are ordered per UNI or IISP. If multiple UNIs or IISPs are involved, a nonrecurring charge will apply to each UNI or IISP Port on which the virtual connections will reside. The nonrecurring does not apply when PVCs are installed at the same time as the respective UNIs or IISPs.

If the information provided by the Customer for the requested PVCs results in an interstate arrangement, the PVC falls under the federal jurisdiction and will be rated from the Verizon Telephone Companies Tariff FCC No. 20. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.6 Application of Rates and Charges (Continued)**

a. Rate Elements (Continued)

(6) Effective Bandwidth for Incremental UNIs

A monthly rate applies for incremental UNIs for CBR or VBR PVC and SVC bandwidth at 5 Mbps for DS1, DS3, or OC3c and at 15 Mbps for OC12c. No nonrecurring charges apply. (C)

The monthly rate for PVC and/or SVC UBR bandwidth will be waived when the combined VBR and CBR effective bandwidth purchased (either SVC or PVC or any combination) is equal to at least 50% of the effective bandwidth capacity of the UNI. When UBR bandwidth is made available, it is available for both PVCs and SVCs. No nonrecurring charges apply.

(7) Closed User Groups (CUG)

A nonrecurring charge applies per order and per UNI for each CUG established and for each subsequent CUG member added to a CUG. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI. (C)

(8) Administrative Charge

A nonrecurring charge applies when Customer initiates a change to one or more of the following: UNI (C)
bandwidth, PVCs, class of service parameters, and/or other service parameters that do not require (C)
changes in physical facilities and that can be provisioned by Company without the dispatch of a technician to Customer location. For each service order issued, the charge will be one Administrative Charge regardless of the number of changes made. The Administrative Charge does not apply for those items ordered on the same service order with the installation of a UNI. (C)

b. Minimum Period

The minimum period for ATM CRS is one (1) month. (C)

c. Extended Service Plan

The ATM CRS UNI Port and Access, and UNI Port Only are available under an ESP. (C)

Term commitments of one-, two-, three- and five-years are available to all Customers at the applicable rates set forth in 10.7.7, regardless of when they subscribe to an ESP arrangement. Rate elements must be ordered under the same ESP period. (C)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.6 Application of Rates and Charges (Continued)**

a. Rate Elements (Continued)

(6) Effective Bandwidth for Incremental UNIs

A monthly rate applies for incremental UNIs for CBR or VBR PVC and SVC bandwidth at 5 Mbps for DS1, DS3, or OC3c and at 15 Mbps for OC12c. A monthly rate also applies for incremental UNIs for UBR PVC and SVC bandwidth for DS3, OC3c and OC12c. No nonrecurring charges apply.

The monthly rate for PVC and/or SVC UBR bandwidth will be waived when the combined VBR and CBR effective bandwidth purchased (either SVC or PVC or any combination) is equal to at least 50% of the effective bandwidth capacity of the UNI. When UBR bandwidth is made available, it is available for both PVCs and SVCs. No nonrecurring charges apply.

(7) Closed User Groups (CUG)

A nonrecurring charge applies per order and per UNI for each CUG established and for each subsequent CUG member added to a CUG. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI or IISP.

(8) Administrative Charge (N)

A nonrecurring charge applies (per order, per UNI or IISP) when Customer initiates a change to one or more of the following: UNI or IISP bandwidth, PVCs, class of service parameters, and/or other service parameters that do not require changes in physical facilities and that can be provisioned by Company without the dispatch of a technician to Customer location. For each service order issued, the charge will be one Administrative Charge regardless of the number of changes made. The Administrative Charge does not apply for those items ordered on the same service order with the installation of a UNI or IISP (N)

b. Minimum Period

The minimum period for ATM CRS is twelve (12) months.

c. Extended Service Plan

The ATM CRS UNI Port and Access, UNI Port Only, IISP Port and Access, and IISP Port Only rate elements are available under an ESP.

Term commitments of one-, three- and five-years are available to all Customers at the applicable rates set forth in 10.7.7, regardless of when they subscribe to an ESP arrangement. Rate elements must be ordered under the same ESP period.

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.6 Application of Rates and Charges (Continued)**

a. Rate Elements (Continued)

(6) Effective Bandwidth for Incremental UNIs

A monthly rate applies for incremental UNIs for CBR or VBR PVC and SVC bandwidth at 5 Mbps for DS1, DS3, or OC3c and at 15 Mbps for OC12c. A monthly rate also applies for incremental UNIs for UBR PVC and SVC bandwidth for DS3, OC3c and OC12c. No nonrecurring charges apply.

The monthly rate for PVC and/or SVC UBR bandwidth will be waived when the combined VBR and CBR effective bandwidth purchased (either SVC or PVC or any combination) is equal to at least 50% of the effective bandwidth capacity of the UNI. When UBR bandwidth is made available, it is available for both PVCs and SVCs. No nonrecurring charges apply.

(7) Closed User Groups (CUG)

A nonrecurring charge applies per order and per UNI for each CUG established and for each subsequent CUG member added to a CUG. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI or IISP.

b. Minimum Period

The minimum period for ATM CRS is twelve (12) months.

c. Extended Service Plan

The ATM CRS UNI Port and Access, UNI Port Only, IISP Port and Access, and IISP Port Only rate elements are available under an ESP.

Term commitments of one-, three- and five-years are available to all Customers at the applicable rates set forth in 10.7.7, regardless of when they subscribe to an ESP arrangement. Rate elements must be ordered under the same ESP period. (N)

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SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges**

a. User Network Interfaces (UNIs) Port With Access Line Connection

| | One-Year Rate | Two-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|
| (1) DS1, each | | | | |
| Full | | | | |
| Tier 1 (0 to 5 Miles) | $ 805.00 (I) | $ 765.00 (I) | $ 684.00 (I) | $ 644.00 (I) |
| Tier 2 (Over 5 to 25 Miles) | 805.00 | 765.00 | 684.00 | 644.00 |
| Tier 3 (Over 25 to 50 Miles) | 805.00 | 765.00 | 684.00 | 644.00 |
| (2) DS3, each | | | | |
| Full | | | | |
| Tier 1 (0 to 5 Miles) | 4,060.00 | 3,857.00 | 3,451.00 | 3,247.00 |
| Tier 2 (Over 5 to 25 Miles) | 4,776.00 | 4,538.00 | 4,060.00 | 3,821.00 |
| Tier 3 (Over 25 to 50 Miles) | 5,731.00 | 5,444.00 | 4,872.00 | 4,585.00 |
| Incremental | | | | |
| Tier 1 (0 to 5 Miles) | 3,407.00 | 3,235.00 | 2,895.00 | 2,725.00 |
| Tier 2 (Over 5 to 25 Miles) | 4,007.00 | 3,807.00 | 3,407.00 | 3,205.00 |
| Tier 3 (Over 25 to 50 Miles) | 4,808.00 (I) | 4,568.00 (I) | 4,088.00 (I) | 3,847.00 (I) |
| (3) OC3c, each | | | | |
| Incremental | | | | |
| Tier 1 (0 to 5 Miles) | 2,100.00 | | 1,785.00 | 1,680.00 |
| Tier 2 (Over 5 to 25 Miles) | 2,471.00 | | 2,100.00 | 1,976.00 |

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SOUTH CAROLINA
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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges**

a. User Network Interfaces (UNIs) Port With Access Line Connection

| | One-Year Rate | Two-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|
| (1) DS1, each | | | | |
| Full | | | | |
| Tier 1 (0 to 5 Miles) | $ 732.00 (I) | $ 695.00 (I) | $ 622.00 (I) | $ 585.00 (I) |
| Tier 2 (Over 5 to 25 Miles) | 732.00 | 695.00 | 622.00 | 585.00 |
| Tier 3 (Over 25 to 50 Miles) | 732.00 | 695.00 | 622.00 | 585.00 |
| (2) DS3, each | | | | |
| Full | | | | |
| Tier 1 (0 to 5 Miles) | 3,691.00 | 3,506.00 | 3,137.00 | 2,952.00 |
| Tier 2 (Over 5 to 25 Miles) | 4,342.00 | 4,125.00 | 3,691.00 | 3,474.00 |
| Tier 3 (Over 25 to 50 Miles) | 5,210.00 | 4,949.00 | 4,429.00 | 4,168.00 |
| Incremental | | | | |
| Tier 1 (0 to 5 Miles) | 3,097.00 | 2,941.00 | 2,632.00 | 2,477.00 |
| Tier 2 (Over 5 to 25 Miles) | 3,643.00 | 3,461.00 | 3,097.00 | 2,914.00 |
| Tier 3 (Over 25 to 50 Miles) | 4,371.00 (I) | 4,153.00 (I) | 3,716.00 (I) | 3,497.00 (I) |
| (3) OC3c, each | | | | |
| Incremental | | | | |
| Tier 1 (0 to 5 Miles) | 2,100.00 | | 1,785.00 | 1,680.00 |
| Tier 2 (Over 5 to 25 Miles) | 2,471.00 | | 2,100.00 | 1,976.00 |

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges**

a. User Network Interfaces (UNIs) Port With Access Line Connection

| | One-Year Rate | Two-Year Rate | (N) | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|---|
| (1) DS1, each | | | | | |
| Full | | | | | |
| Tier 1 (0 to 5 Miles) | $ 665.00 | $ 632.00 | (N) | $ 565.00 | $ 532.00 |
| Tier 2 (Over 5 to 25 Miles) | 665.00 | 632.00 | | 565.00 | 532.00 |
| Tier 3 (Over 25 to 50 Miles) | 665.00 | 632.00 | | 565.00 | 532.00 |
| (2) DS3, each | | | | | |
| Full | | | | | |
| Tier 1 (0 to 5 Miles) | 3,355.00 | 3,187.00 | | 2,852.00 | 2,684.00 |
| Tier 2 (Over 5 to 25 Miles) | 3,947.00 | 3,750.00 | | 3,355.00 | 3,158.00 |
| Tier 3 (Over 25 to 50 Miles) | 4,736.00 | 4,499.00 | | 4,026.00 | 3,789.00 |
| Incremental | | | | | |
| Tier 1 (0 to 5 Miles) | 2,815.00 | 2,674.00 | | 2,393.00 | 2,252.00 |
| Tier 2 (Over 5 to 25 Miles) | 3,312.00 | 3,146.00 | | 2,815.00 | 2,649.00 |
| Tier 3 (Over 25 to 50 Miles) | 3,974.00 | 3,775.00 | (N) | 3,378.00 | 3,179.00 |
| (3) OC3c, each | | | | | |
| Incremental | | | | | |
| Tier 1 (0 to 5 Miles) | 2,100.00 | | | 1,785.00 | 1,680.00 |
| Tier 2 (Over 5 to 25 Miles) | 2,471.00 | | | 2,100.00 | 1,976.00 |

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GTE SOUTH INCORPORATED
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.7 Rates and Charges**

a. User Network Interfaces (UNIs) Port With Access Line Connection

| | One-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|
| (1) DS1, each | | | |
| Full | | | |
| Tier 1 (0 to 5 Miles) | $ 665.00 | $ 565.00 | $ 532.00 |
| Tier 2 (Over 5 to 25 Miles) | 665.00 | 565.00 | 532.00 |
| Tier 3 (Over 25 to 50 Miles) | 665.00 | 565.00 | 532.00 |
| (2) DS3, each | | | |
| Full | | | |
| Tier 1 (0 to 5 Miles) | 3,355.00 | 2,852.00 | 2,684.00 |
| Tier 2 (Over 5 to 25 Miles) | 3,947.00 | 3,355.00 | 3,158.00 |
| Tier 3 (Over 25 to 50 Miles) | 4,736.00 | 4,026.00 | 3,789.00 |
| Incremental | | | |
| Tier 1 (0 to 5 Miles) | 2,815.00 | 2,393.00 | 2,252.00 |
| Tier 2 (Over 5 to 25 Miles) | 3,312.00 | 2,815.00 | 2,649.00 |
| Tier 3 (Over 25 to 50 Miles) | 3,974.00 | 3,378.00 | 3,179.00 |
| (3) OC3c, each | | | |
| Direct Fiber | | | |
| Full | | | |
| Tier 1 (0 to 5 Miles) | $ 4,020.00 | $ 3,417.00 | $ 3,216.00 |
| Tier 2 (Over 5 to 25 Miles) | 4,729.00 | 4,020.00 | 3,784.00 |
| Incremental | | | |
| Tier 1 (0 to 5 Miles) | 2,100.00 | 1,785.00 | 1,680.00 |
| Tier 2 (Over 5 to 25 Miles) | 2,471.00 | 2,100.00 | 1,976.00 (N) |

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

a. User Network Interfaces (UNIs) Port With Access Line Connection (Continued)

| | One-Year Rate | Two-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|
| (3) OC3c, each (Continued) | | | | |
| SONET | | | | |
| Full, Protected | | | | |
| Tier 1 (0 to 5 Miles) | $ 7,659.00 (I) | $ 7,277.00 (I) | $ 6,511.00 (I) | $ 6,127.00 (I) |
| Tier 2 (Over 5 to 25 Miles) | 9,011.00 | 8,561.00 | 7,659.00 | 7,209.00 |
| Tier 3 (Over 25 to 50 Miles) | 10,813.00 | 10,272.00 | 9,192.00 | 8,650.00 |
| Full, Protected Diverse | | | | |
| Tier 1 (0 to 5 Miles) | 9,353.00 | 8,886.00 | 7,951.00 | 7,482.00 |
| Tier 2 (Over 5 to 25 Miles) | 11,003.00 | 10,453.00 | 9,353.00 | 8,803.00 |
| Tier 3 (Over 25 to 50 Miles) | 13,204.00 | 12,544.00 | 11,224.00 | 10,563.00 |
| Incremental, Protected | | | | |
| Tier 1 (0 to 5 Miles) | 5,336.00 | 5,070.00 | 4,536.00 | 4,269.00 |
| Tier 2 (Over 5 to 25 Miles) | 6,278.00 | 5,964.00 | 5,336.00 | 5,023.00 |
| Tier 3 (Over 25 to 50 Miles) | 7,534.00 | 7,158.00 | 6,403.00 | 6,027.00 |
| Incremental, Protected Diverse | | | | |
| Tier 1 (0 to 5 Miles) | 7,030.00 | 6,679.00 | 5,976.00 | 5,624.00 |
| Tier 2 (Over 5 to 25 Miles) | 8,271.00 | 7,856.00 | 7,030.00 | 6,617.00 |
| Tier 3 (Over 25 to 50 Miles) | 9,924.00 (I) | 9,428.00 (I) | 8,436.00 (I) | 7,940.00 (I) |

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

a. User Network Interfaces (UNIs) Port With Access Line Connection (Continued)

| | One-Year Rate | Two-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|
| (3) OC3c, each (Continued) | | | | |
| SONET | | | | |
| Full, Protected | | | | |
| Tier 1 (0 to 5 Miles) | $ 6,963.00 (I) | $ 6,615.00 (I) | $ 5,919.00 (I) | $ 5,570.00 (I) |
| Tier 2 (Over 5 to 25 Miles) | 8,192.00 | 7,783.00 | 6,963.00 | 6,554.00 |
| Tier 3 (Over 25 to 50 Miles) | 9,830.00 | 9,338.00 | 8,356.00 | 7,864.00 |
| Full, Protected Diverse | | | | |
| Tier 1 (0 to 5 Miles) | 8,503.00 | 8,078.00 | 7,228.00 | 6,802.00 |
| Tier 2 (Over 5 to 25 Miles) | 10,003.00 | 9,503.00 | 8,503.00 | 8,003.00 |
| Tier 3 (Over 25 to 50 Miles) | 12,004.00 | 11,404.00 | 10,204.00 | 9,603.00 |
| Incremental, Protected | | | | |
| Tier 1 (0 to 5 Miles) | 4,851.00 | 4,609.00 | 4,124.00 | 3,881.00 |
| Tier 2 (Over 5 to 25 Miles) | 5,707.00 | 5,422.00 | 4,851.00 | 4,566.00 |
| Tier 3 (Over 25 to 50 Miles) | 6,849.00 | 6,507.00 | 5,821.00 | 5,479.00 |
| Incremental, Protected Diverse | | | | |
| Tier 1 (0 to 5 Miles) | 6,391.00 | 6,072.00 | 5,433.00 | 5,113.00 |
| Tier 2 (Over 5 to 25 Miles) | 7,519.00 | 7,142.00 | 6,391.00 | 6,015.00 |
| Tier 3 (Over 25 to 50 Miles) | 9,022.00 (I) | 8,571.00 (I) | 7,669.00 (I) | 7,218.00 (I) |

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

a. User Network Interfaces (UNIs) Port With Access Line Connection (Continued)

| | One-Year Rate | Two-Year Rate | (N) (N) | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|---|
| (3) OC3c, each (Continued) | | | | | |
| SONET | | | | | |
| Full, Protected | | | | | |
| Tier 1 (0 to 5 Miles) | $ 6,330.00 | $ 6,014.00 | (N) | $ 5,381.00 | $ 5,064.00 |
| Tier 2 (Over 5 to 25 Miles) | 7,447.00 | 7,075.00 | | 6,330.00 | 5,958.00 |
| Tier 3 (Over 25 to 50 Miles) | 8,936.00 | 8,489.00 | | 7,596.00 | 7,149.00 |
| Full, Protected Diverse | | | | | |
| Tier 1 (0 to 5 Miles) | 7,730.00 | 7,344.00 | | 6,571.00 | 6,184.00 |
| Tier 2 (Over 5 to 25 Miles) | 9,094.00 | 8,639.00 | | 7,730.00 | 7,275.00 |
| Tier 3 (Over 25 to 50 Miles) | 10,913.00 | 10,367.00 | | 9,276.00 | 8,730.00 |
| Incremental, Protected | | | | | |
| Tier 1 (0 to 5 Miles) | 4,410.00 | 4,190.00 | | 3,749.00 | 3,528.00 |
| Tier 2 (Over 5 to 25 Miles) | 5,188.00 | 4,929.00 | | 4,410.00 | 4,151.00 |
| Tier 3 (Over 25 to 50 Miles) | 6,226.00 | 5,915.00 | | 5,292.00 | 4,981.00 |
| Incremental, Protected Diverse | | | | | |
| Tier 1 (0 to 5 Miles) | 5,810.00 | 5,520.00 | | 4,939.00 | 4,648.00 |
| Tier 2 (Over 5 to 25 Miles) | 6,835.00 | 6,493.00 | | 5,810.00 | 5,468.00 |
| Tier 3 (Over 25 to 50 Miles) | 8,202.00 | 7,792.00 | (N) | 6,972.00 | 6,562.00 |

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.7 Rates and Charges (Continued)**

a. User Network Interfaces (UNIs) Port With Access Line Connection (Continued)

| | One-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|
| (3) OC3c, each (Continued) | | | |
| SONET | | | |
| Full, Protected | | | |
| Tier 1 (0 to 5 Miles) | 6,330.00 | 5,381.00 | 5,064.00 |
| Tier 2 (Over 5 to 25 Miles) | 7,447.00 | 6,330.00 | 5,958.00 |
| Tier 3 (Over 25 to 50 Miles) | 8,936.00 | 7,596.00 | 7,149.00 |
| Full, Protected Diverse | | | |
| Tier 1 (0 to 5 Miles) | 7,730.00 | 6,571.00 | 6,184.00 |
| Tier 2 (Over 5 to 25 Miles) | 9,094.00 | 7,730.00 | 7,275.00 |
| Tier 3 (Over 25 to 50 Miles) | 10,913.00 | 9,276.00 | 8,730.00 |
| Incremental, Protected | | | |
| Tier 1 (0 to 5 Miles) | 4,410.00 | 3,749.00 | 3,528.00 |
| Tier 2 (Over 5 to 25 Miles) | 5,188.00 | 4,410.00 | 4,151.00 |
| Tier 3 (Over 25 to 50 Miles) | 6,226.00 | 5,292.00 | 4,981.00 |
| Incremental, Protected Diverse | | | |
| Tier 1 (0 to 5 Miles) | 5,810.00 | 4,939.00 | 4,648.00 |
| Tier 2 (Over 5 to 25 Miles) | 6,835.00 | 5,810.00 | 5,468.00 |
| Tier 3 (Over 25 to 50 Miles) | 8,202.00 | 6,972.00 | 6,562.00 (N) |

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

a. User Network Interfaces (UNIs) Port With Access Line Connection (Continued)

(4) OC12c, each

| | One-Year Rate | Two-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|
| Incremental | | | | |
| Tier 1 (0 to 5 Miles) | $ 4,685.00 | | $ 3,982.00 | $ 3,748.00 |
| Tier 2 (Over 5 to 25 Miles) | 5,512.00 | | 4,685.00 | 4,409.00 |
| SONET | | | | |
| Full, Protected | | | | |
| Tier 1 (0 to 5 Miles) | 23,668.00 (I) | 22,484.00 (I) | 20,118.00 (I) | 18,934.00 (I) |
| Tier 2 (Over 5 to 25 Miles) | 27,844.00 | 26,452.00 | 23,668.00 | 22,275.00 |
| Tier 3 (Over 25 to 50 Miles) | 33,413.00 | 31,742.00 | 28,401.00 | 26,730.00 |
| Full, Protected Diverse | | | | |
| Tier 1 (0 to 5 Miles) | 25,604.00 | 24,323.00 | 21,764.00 | 20,483.00 |
| Tier 2 (Over 5 to 25 Miles) | 30,121.00 | 28,615.00 | 25,604.00 | 24,098.00 |
| Tier 3 (Over 25 to 50 Miles) | 36,146.00 | 34,339.00 | 30,724.00 | 28,917.00 |
| Incremental, Protected | | | | |
| Tier 1 (0 to 5 Miles) | 15,730.00 | 14,944.00 | 13,371.00 | 12,584.00 |
| Tier 2 (Over 5 to 25 Miles) | 18,505.00 | 17,580.00 | 15,730.00 | 14,805.00 |
| Tier 3 (Over 25 to 50 Miles) | 22,207.00 | 21,097.00 | 18,876.00 | 17,765.00 |
| Incremental, Protected Diverse | | | | |
| Tier 1 (0 to 5 Miles) | 17,666.00 | 16,783.00 | 15,016.00 | 14,133.00 |
| Tier 2 (Over 5 to 25 Miles) | 20,783.00 | 19,744.00 | 17,666.00 | 16,627.00 |
| Tier 3 (Over 25 to 50 Miles) | 24,940.00 (I) | 23,693.00 (I) | 21,199.00 (I) | 19,952.00 (I) |

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

a. User Network Interfaces (UNIs) Port With Access Line Connection (Continued)

(4) OC12c, each

| | One-Year Rate | Two-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|
| Incremental | | | | |
| Tier 1 (0 to 5 Miles) | $ 4,685.00 | | $ 3,982.00 | $ 3,748.00 |
| Tier 2 (Over 5 to 25 Miles) | 5,512.00 | | 4,685.00 | 4,409.00 |
| SONET | | | | |
| Full, Protected | | | | |
| Tier 1 (0 to 5 Miles) | 21,516.00 (I) | 20,440.00 (I) | 18,289.00 (I) | 17,213.00 (I) |
| Tier 2 (Over 5 to 25 Miles) | 25,313.00 | 24,047.00 | 21,516.00 | 20,250.00 |
| Tier 3 (Over 25 to 50 Miles) | 30,375.00 | 28,856.00 | 25,819.00 | 24,300.00 |
| Full, Protected Diverse | | | | |
| Tier 1 (0 to 5 Miles) | 23,276.00 | 22,112.00 | 19,785.00 | 18,621.00 |
| Tier 2 (Over 5 to 25 Miles) | 27,383.00 | 26,014.00 | 23,276.00 | 21,907.00 |
| Tier 3 (Over 25 to 50 Miles) | 32,860.00 | 31,217.00 | 27,931.00 | 26,288.00 |
| Incremental, Protected | | | | |
| Tier 1 (0 to 5 Miles) | 14,300.00 | 13,585.00 | 12,155.00 | 11,440.00 |
| Tier 2 (Over 5 to 25 Miles) | 16,823.00 | 15,982.00 | 14,300.00 | 13,459.00 |
| Tier 3 (Over 25 to 50 Miles) | 20,188.00 | 19,179.00 | 17,160.00 | 16,150.00 |
| Incremental, Protected Diverse | | | | |
| Tier 1 (0 to 5 Miles) | 16,060.00 | 15,257.00 | 13,651.00 | 12,848.00 |
| Tier 2 (Over 5 to 25 Miles) | 18,894.00 | 17,949.00 | 16,060.00 | 15,115.00 |
| Tier 3 (Over 25 to 50 Miles) | 22,673.00 (I) | 21,539.00 (I) | 19,272.00 (I) | 18,138.00 (I) |

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

a. User Network Interfaces (UNIs) Port With Access Line Connection (Continued)

(4) OC12c, each

| | One-Year Rate | Two-Year Rate | (N) | Three-Year Rate | Five-Year Rate | (D) |
|---|---|---|---|---|---|---|
| Incremental | | | | | | |
| Tier 1 (0 to 5 Miles) | $ 4,685.00 | | | $ 3,982.00 | $ 3,748.00 | |
| Tier 2 (Over 5 to 25 Miles) | 5,512.00 | | | 4,685.00 | 4,409.00 | |
| SONET | | | | | | |
| Full, Protected | | | | | | |
| Tier 1 (0 to 5 Miles) | 19,560.00 | 18,582.00 | (N) | 16,626.00 | 15,648.00 | |
| Tier 2 (Over 5 to 25 Miles) | 23,012.00 | 21,861.00 | | 19,560.00 | 18,409.00 | |
| Tier 3 (Over 25 to 50 Miles) | 27,614.00 | 26,233.00 | | 23,472.00 | 22,091.00 | |
| Full, Protected Diverse | | | | | | |
| Tier 1 (0 to 5 Miles) | 21,160.00 | 20,102.00 | | 17,986.00 | 16,928.00 | |
| Tier 2 (Over 5 to 25 Miles) | 24,894.00 | 23,649.00 | | 21,160.00 | 19,915.00 | |
| Tier 3 (Over 25 to 50 Miles) | 29,873.00 | 28,379.00 | | 25,392.00 | 23,898.00 | |
| Incremental, Protected | | | | | | |
| Tier 1 (0 to 5 Miles) | 13,000.00 | 12,350.00 | | 11,050.00 | 10,400.00 | |
| Tier 2 (Over 5 to 25 Miles) | 15,294.00 | 14,529.00 | | 13,000.00 | 12,235.00 | |
| Tier 3 (Over 25 to 50 Miles) | 18,353.00 | 17,435.00 | | 15,600.00 | 14,682.00 | |
| Incremental, Protected Diverse | | | | | | |
| Tier 1 (0 to 5 Miles) | 14,600.00 | 13,870.00 | | 12,410.00 | 11,680.00 | |
| Tier 2 (Over 5 to 25 Miles) | 17,176.00 | 16,317.00 | | 14,600.00 | 13,741.00 | |
| Tier 3 (Over 25 to 50 Miles) | 20,612.00 | 19,581.00 | (N) | 17,520.00 | 16,489.00 | |

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.7 Rates and Charges (Continued)**

a. User Network Interfaces (UNIs) Port With Access Line Connection (Continued)

(4) OC12c, each

| | One-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|
| Direct Fiber | | | |
| Full | | | |
| Tier 1 (0 to 5 Miles) | $ 11,245.00 | $ 9,558.00 | $ 8,996.00 |
| Tier 2 (Over 5 to 25 Miles) | 13,229.00 | 11,245.00 | 10,584.00 |
| Incremental | | | |
| Tier 1 (0 to 5 Miles) | 4,685.00 | 3,982.00 | 3,748.00 |
| Tier 2 (Over 5 to 25 Miles) | 5,512.00 | 4,685.00 | 4,409.00 |
| SONET | | | |
| Full, Protected | | | |
| Tier 1 (0 to 5 Miles) | 19,560.00 | 16,626.00 | 15,648.00 |
| Tier 2 (Over 5 to 25 Miles) | 23,012.00 | 19,560.00 | 18,409.00 |
| Tier 3 (Over 25 to 50 Miles) | 27,614.00 | 23,472.00 | 22,091.00 |
| Full, Protected Diverse | | | |
| Tier 1 (0 to 5 Miles) | 21,160.00 | 17,986.00 | 16,928.00 |
| Tier 2 (Over 5 to 25 Miles) | 24,894.00 | 21,160.00 | 19,915.00 |
| Tier 3 (Over 25 to 50 Miles) | 29,873.00 | 25,392.00 | 23,898.00 |
| Incremental, Protected | | | |
| Tier 1 (0 to 5 Miles) | 13,000.00 | 11,050.00 | 10,400.00 |
| Tier 2 (Over 5 to 25 Miles) | 15,294.00 | 13,000.00 | 12,235.00 |
| Tier 3 (Over 25 to 50 Miles) | 18,353.00 | 15,600.00 | 14,682.00 |
| Incremental, Protected Diverse | | | |
| Tier 1 (0 to 5 Miles) | 14,600.00 | 12,410.00 | 11,680.00 |
| Tier 2 (Over 5 to 25 Miles) | 17,176.00 | 14,600.00 | 13,741.00 |
| Tier 3 (Over 25 to 50 Miles) | 20,612.00 | 17,520.00 | 16,489.00 |

(N)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

b. User Network Interfaces (UNIs) Port Only Connection

| | | One-Year Rate | Two-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|---|
| (1) | DS1, each | | | | |
| | Full | $ 420.00 (I) | $ 399.00 (I) | $ 358.00 (I) | $ 337.00 (I) |
| (2) | DS3, each | | | | |
| | Full | 1,481.00 | 1,407.00 | 1,258.00 | 1,185.00 |
| | Incremental | 712.00 | 677.00 | 605.00 | 570.00 |
| (3) | OC3c, each | | | | |
| | Full | 3,872.00 | 3,678.00 | 3,291.00 | 3,098.00 |
| | Incremental | 1,139.00 | 1,081.00 | 968.00 | 911.00 |
| (4) | OC12c, each | | | | |
| | Full | 13,609.00 | 12,929.00 | 11,568.00 | 10,888.00 |
| | Incremental | 4,270.00 (I) | 4,057.00 (I) | 3,630.00 (I) | 3,417.00 (I) |

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

b. User Network Interfaces (UNIs) Port Only Connection

| | One-Year Rate | Two-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|
| (1) DS1, each | | | | |
| Full | $ 382.00 (I) | $ 363.00 (I) | $ 325.00 (I) | $ 306.00 (I) |
| (2) DS3, each | | | | |
| Full | 1,346.00 | 1,279.00 | 1,144.00 | 1,077.00 |
| Incremental | 647.00 | 615.00 | 550.00 | 518.00 |
| (3) OC3c, each | | | | |
| Full | 3,520.00 | 3,344.00 | 2,992.00 | 2,816.00 |
| Incremental | 1,035.00 | 983.00 | 880.00 | 828.00 |
| (4) OC12c, each | | | | |
| Full | 12,372.00 | 11,754.00 | 10,516.00 | 9,898.00 |
| Incremental | 3,882.00 (I) | 3,688.00 (I) | 3,300.00 (I) | 3,106.00 (I) |

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

b. User Network Interfaces (UNIs) Port Only Connection

| | One-Year Rate | Two-Year Rate (N) | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|
| (1) DS1, each | | | | |
| Full | $ 347.00 | $ 330.00 | $ 295.00 | $ 278.00 |
| (2) DS3, each | | | | |
| Full | 1,224.00 | 1,163.00 | 1,040.00 | 979.00 |
| Incremental | 588.00 | 559.00 | 500.00 | 471.00 |
| (3) OC3c, each | | | | |
| Full | 3,200.00 | 3,040.00 | 2,720.00 | 2,560.00 |
| Incremental | 941.00 | 894.00 | 800.00 | 753.00 |
| (4) OC12c, each | | | | |
| Full | 11,247.00 | 10,685.00 | 9,560.00 | 8,998.00 |
| Incremental | 3,529.00 | 3,353.00 (N) | 3,000.00 | 2,824.00 |

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.7 Rates and Charges (Continued)**

b. User Network Interfaces (UNIs) Port Only Connection

| | | One-Year Rate | Three-Year Rate | Five-Year Rate | |
|---|---|---|---|---|---|
| (1) | DS1, each | | | | |
| | Full | $ 347.00 | $ 295.00 | $ 278.00 | |
| (2) | DS3, each | | | | |
| | Full | 1,224.00 | 1,040.00 | 979.00 | |
| | Incremental | 588.00 | 500.00 | 471.00 | |
| (3) | OC3c, each | | | | |
| | Full | 3,200.00 | 2,720.00 | 2,560.00 | |
| | Incremental | 941.00 | 800.00 | 753.00 | |
| (4) | OC12c, each | | | | |
| | Full | 11,247.00 | 9,560.00 | 8,998.00 | |
| | Incremental | 3,529.00 | 3,000.00 | 2,824.00 | (N) |

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## S10. DIGITAL NETWORK SERVICES

S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)

S10.7.7 Rates and Charges (Continued)

(D)

(D)

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.7 Rates and Charges (Continued)**

c. IISP, Port With Access Line Connection – Tier 1(0-5 Miles)

| | | One-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|---|
| (1) | DS1, each | | | |
| | Full | $ 665.00 | $ 565.00 | $ 532.00 |
| (2) | DS3, each | | | |
| | Full | 3,355.00 | 2,852.00 | 2,684.00 |
| (3) | OC3c, each | | | |
| | Direct Fiber | | | |
| | Full | 4,020.00 | 3,417.00 | 3,216.00 |
| | SONET | | | |
| | Full, Protected | 6,330.00 | 5,381.00 | 5,064.00 |
| | Full, Protected Diverse | 7,730.00 | 6,571.00 | 6,184.00 |
| (4) | OC12c, each | | | |
| | Direct Fiber | | | |
| | Full | 11,245.00 | 9,558.00 | 8,996.00 |
| | SONET | | | |
| | Full, Protected | 19,560.00 | 16,626.00 | 15,648.00 |
| | Full, Protected Diverse | 21,160.00 | 17,986.00 | 16,928.00 |

(N)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: June 20, 2005
BY: Vice President
Durham, North Carolina

First Revised Page 93
Cancels Original Page 93
EFFECTIVE: July 5, 2005

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

(D)

(D)

GTE SOUTH INCORPORATED
SOUTH CAROLINA
ISSUED: March 25, 2003
BY: Vice President
Durham, North Carolina

Original Page 93
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## S10. DIGITAL NETWORK SERVICES

**S10.7** **Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.7** **Rates and Charges (Continued)**

d. IISP, Port Only Connection

| | One-Year Rate | Three-Year Rate | Five-Year Rate |
|---|---|---|---|
| (1) DS1, each | | | |
| Full | $ 347.00 | $ 295.00 | $ 278.00 |
| (2) DS3, each | | | |
| Full | 1,224.00 | 1,040.00 | 979.00 |
| (3) OC3c, each | | | |
| Full | 3,200.00 | 2,720.00 | 2,560.00 |
| (4) OC12c, each | | | |
| Full | 11,247.00 | 9,560.00 | 8,998.00 (N) |

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

c. Permanent Virtual Circuits (PVCs), per order (T)

| | | Nonrecurring Charge[1] |
|---|---|---|
| (1) | Virtual Channel Connections (VCCs) | |
| | Constant Bit Rate (CBR) | $ 75.00 |
| | Variable Bit Rate real time (VBRrt) | 75.00 |
| | Variable Bit Rate non-real time (VBRnrt) | 75.00 |
| | Unspecified Bit Rate (UBR) | 75.00 |
| (2) | Virtual Path Connections (VPCs) | |
| | Constant Bit Rate (CBR) | 75.00 |
| | Variable Bit Rate real time (VBRrt) | 75.00 |
| | Variable Bit Rate non-real time (VBRnrt) | 75.00 |
| | Unspecified Bit Rate (UBR) | 75.00 |

[1] Applies per order and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. If multiple UNIs are involved, a nonrecurring charge will apply to each UNI Port on which the virtual connections will reside. The nonrecurring charge does not apply when PVCs are installed at the same time as the respective UNIs. (C) | (C)

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

e. Permanent Virtual Circuits (PVCs), per order (T)

| | | Nonrecurring Charge[1] |
|---|---|---|
| (1) | Virtual Channel Connections (VCCs) | |
| | Constant Bit Rate (CBR) | $ 75.00 |
| | Variable Bit Rate real time (VBRrt) | 75.00 |
| | Variable Bit Rate non-real time (VBRnrt) | 75.00 |
| | Unspecified Bit Rate (UBR) | 75.00 |
| (2) | Virtual Path Connections (VPCs) | |
| | Constant Bit Rate (CBR) | 75.00 |
| | Variable Bit Rate real time (VBRrt) | 75.00 |
| | Variable Bit Rate non-real time (VBRnrt) | 75.00 |
| | Unspecified Bit Rate (UBR) | 75.00 |

[1] Applies per order and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. If multiple UNIs or IISPs are involved, a nonrecurring charge will apply to each UNI or IISP Port on which the virtual connections will reside. The nonrecurring charge does not apply when PVCs are installed at the same time as the respective UNIs or IISPs.

(D)
(D)

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.7 Rates and Charges (Continued)**

e. Permanent Virtual Circuits (PVCs)[2], per order

| | | Nonrecurring Charge[1] |
|---|---|---|
| (1) | Virtual Channel Connections (VCCs) | |
| | Constant Bit Rate (CBR) | $ 75.00 |
| | Variable Bit Rate real time (VBRrt) | 75.00 |
| | Variable Bit Rate non-real time (VBRnrt) | 75.00 |
| | Unspecified Bit Rate (UBR) | 75.00 |
| (2) | Virtual Path Connections (VPCs) | |
| | Constant Bit Rate (CBR) | 75.00 |
| | Variable Bit Rate real time (VBRrt) | 75.00 |
| | Variable Bit Rate non-real time (VBRnrt) | 75.00 |
| | Unspecified Bit Rate (UBR) | 75.00 |

1 Applies per order and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. If multiple UNIs or IISPs are involved, a nonrecurring charge will apply to each UNI or IISP Port on which the virtual connections will reside. The nonrecurring charge does not apply when PVCs are installed at the same time as the respective UNIs or IISPs.

2 If the information provided by the Customer for the requested PVCs results in an interstate arrangement, the PVC falls under the federal jurisdiction and will be rated from the Verizon Telephone Companies Tariff FCC No. 20. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

d. Effective Bandwidth for Incremental UNIs

| | | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| (1) | CBR or VBR PVC Bandwidth | | |
| | DS1, DS3, OC3c – 5 Mbps | $ 97.00 (I) | N/A |
| | OC12c – 15 Mbps | 242.00 | N/A |
| (2) | CBR or VBR SVC Bandwidth | | |
| | DS1, DS3, OC3c – 5 Mbps | 97.00 | N/A |
| | OC12c – 15 Mbps | 242.00 | N/A |
| (3) | UBR PVC and SVC Bandwidth, Bandwidth up to the UNI line rate | | |
| | DS3 | 484.00 | N/A |
| | OC3c | 1,452.00 | N/A |
| | OC12c | 4,840.00 (I) | N/A |

e. Closed User Groups (CUG)[1], per order, per UNI

| | | | |
|---|---|---|---|
| (1) | Each CUG | N/A | $75.00 |
| (2) | Each subsequent CUG member added to a CUG | N/A | 75.00 |

f. Administrative Charge, per order[2] N/A 75.00

[1] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI.

[2] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. The nonrecurring charge does not apply for those items ordered on the same service order with the installation of a UNI.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: November 15, 2007
BY: Vice President
Durham, North Carolina

Third Revised Page 95
Cancels Second Revised Page 95
EFFECTIVE: December 1, 2007

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

d. Effective Bandwidth for Incremental UNIs

| | | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| (1) | CBR or VBR PVC Bandwidth | | |
| | DS1, DS3, OC3c – 5 Mbps | $ 88.00 (I) | N/A |
| | OC12c – 15 Mbps | 220.00 | N/A |
| (2) | CBR or VBR SVC Bandwidth | | |
| | DS1, DS3, OC3c – 5 Mbps | 88.00 | N/A |
| | OC12c – 15 Mbps | 220.00 | N/A |
| (3) | UBR PVC and SVC Bandwidth, Bandwidth up to the UNI line rate | | |
| | DS3 | 440.00 | N/A |
| | OC3c | 1,320.00 | N/A |
| | OC12c | 4,400.00 (I) | N/A |

e. Closed User Groups (CUG)[1], per order, per UNI

| | | | |
|---|---|---|---|
| (1) | Each CUG | N/A | $75.00 |
| (2) | Each subsequent CUG member added to a CUG | N/A | 75.00 |

f. Administrative Charge, per order[2] N/A 75.00

[1] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI.

[2] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. The nonrecurring charge does not apply for those items ordered on the same service order with the installation of a UNI.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: June 20, 2005
BY: Vice President
Durham, North Carolina

Second Revised Page 95
Cancels First Revised Page 95
EFFECTIVE: July 5, 2005

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

| | | | Monthly Rate | Nonrecurring Charge | |
|---|---|---|---|---|---|
| d. | Effective Bandwidth for Incremental UNIs | | | | (T) |
| | (1) | CBR or VBR PVC Bandwidth | | | |
| | | DS1, DS3, OC3c – 5 Mbps | $ 80.00 | N/A | |
| | | OC12c – 15 Mbps | 200.00 | N/A | |
| | (2) | CBR or VBR SVC Bandwidth | | | |
| | | DS1, DS3, OC3c – 5 Mbps | 80.00 | N/A | |
| | | OC12c – 15 Mbps | 200.00 | N/A | |
| | (3) | UBR PVC and SVC Bandwidth, Bandwidth up to the UNI line rate | | | |
| | | DS3 | 400.00 | N/A | |
| | | OC3c | 1,200.00 | N/A | |
| | | OC12c | 4,000.00 | N/A | |
| e. | Closed User Groups (CUG)[1], per order, per UNI | | | | (T) |
| | (1) | Each CUG | N/A | $75.00 | |
| | (2) | Each subsequent CUG member added to a CUG | N/A | 75.00 | |
| f. | Administrative Charge, per order[2] | | N/A | 75.00 | (T) |

[1] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI. (C)

[2] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. The nonrecurring charge does not apply for those items ordered on the same service order with the installation of a UNI. (C) (C)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: September 9, 2003
BY: Vice President
Durham, North Carolina

First Revised Page 95
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## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)**

**S10.7.7 Rates and Charges (Continued)**

f. Effective Bandwidth for Incremental UNIs

| | | Monthly Rate | Nonrecurring Charge | |
|---|---|---|---|---|
| (1) | CBR or VBR PVC Bandwidth | | | |
| | DS1, DS3, OC3c – 5 Mbps | $ 80.00 | N/A | |
| | OC12c – 15 Mbps | 200.00 | N/A | |
| (2) | CBR or VBR SVC Bandwidth | | | |
| | DS1, DS3, OC3c – 5 Mbps | 80.00 | N/A | |
| | OC12c – 15 Mbps | 200.00 | N/A | |
| (3) | UBR PVC and SVC Bandwidth, Bandwidth up to the UNI line rate | | | |
| | DS3 | 400.00 | N/A | |
| | OC3c | 1,200.00 | N/A | |
| | OC12c | 4,000.00 | N/A | |
| g. | Closed User Groups (CUG)[1], per order, per UNI | | | |
| (1) | Each CUG | N/A | $75.00 | |
| (2) | Each subsequent CUG member added to a CUG | N/A | 75.00 | |
| h. | Administrative Charge, per order[2] | N/A | 75.00 | (N) |

[1] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI or IISP.

[2] Applies per order, per UNI or IISP, and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. The nonrecurring charge does not apply for those items ordered on the same service order with the installation of a UNI or IISP. (N) | (N)

## S10. DIGITAL NETWORK SERVICES

**S10.7 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Service (Continued)** (N)

**S10.7.7 Rates and Charges (Continued)**

f. Effective Bandwidth for Incremental UNIs

| | | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| (1) | CBR or VBR PVC Bandwidth | | |
| | DS1, DS3, OC3c – 5 Mbps | $ 80.00 | N/A |
| | OC12c – 15 Mbps | 200.00 | N/A |
| (2) | CBR or VBR SVC Bandwidth | | |
| | DS1, DS3, OC3c – 5 Mbps | 80.00 | N/A |
| | OC12c – 15 Mbps | 200.00 | N/A |
| (3) | UBR PVC and SVC Bandwidth, Bandwidth up to the UNI line rate | | |
| | DS3 | 400.00 | N/A |
| | OC3c | 1,200.00 | N/A |
| | OC12c | 4,000.00 | N/A |

g. Closed User Groups (CUG)[1], per order, per UNI

| | | | |
|---|---|---|---|
| (1) | Each CUG | N/A | $75.00 |
| (2) | Each subsequent CUG member added to a CUG | N/A | 75.00 |

[1] Applies per order, per UNI, and in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI or IISP. (N)

VERIZON SOUTH INC. Third Revised Page 96
SOUTH CAROLINA Cancels Second Revised Page 96
ISSUED: December 3, 2008 EFFECTIVE: December 19, 2008
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

### S10.8 Transparent LAN Service (TLS)

#### S10.8.1 Definitions

In addition to the General Definitions set forth in the Verizon South Inc. South Carolina General Customer Services Tariff, Section 1, the following definitions apply:

Domain: A Virtual Local Area Network (VLAN) or a collection of circuits that belong to one closed user group.

Ethernet Multipoint Service (EMS) – A connection-less Ethernet TLS service that allows connectivity among multiple customer-designated locations within a LATA.

Ethernet Relay Service (ERS) Standard - A connection-oriented Ethernet TLS service that allows for point-to-point connectivity between customer-designated locations within a LATA.

Gigabits Per Second (Gbps.) - Data transfer rate for 1000 Mbps. The speed at which data is transferred through the network, where one Gigabit Per Second equals the transfer rate of one (1) billion bits of data in one (1) second. (N)

Megabit Per Second (Mbps.): The speed where data is being transferred in the network, where one Megabit Per Second equals to the transfer rate of 1 million bits of data in 1 second.

Gigabits Per Second (Gbps): Data transfer rate for 1000 Mbps.

Nanometers (nm): Wavelength frequency equivalent to 1 billionth of a meter.

#### S10.8.2 Service Description

Transparent LAN Services (TLS) are high speed fiber-based data services which use a shared optical transport network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS delivers an interface of 10 Mbps, 100 Mbps, 1000 Mbps or 10 Gbps from the Customer's LANs to the shared network. (C)

TLS creates a network with the ability to function as a shared public network. TLS protects data privacy by using specialized screening software that permits subscribers to access only their data.

TLS is available where facilities and conditions permit.

TLS is available as two service types: Ethernet Multipoint Service (EMS) or Ethernet Relay Service (ERS) Standard. The customer must select either EMS or ERS Standard as the service type for each domain:

Ethernet Multipoint Service (EMS) is a connection-less Ethernet TLS service that allows connectivity among multiple customer designated locations within a LATA.

With the EMS service type, Ethernet TLS protects data privacy by using closed user groups (CUGs), also known as virtual LANs. CUGs or virtual LANs are used to provide traffic separation, privacy and security between customers on the shared switch and backbone. An EMS domain is comprised of any number of access lines designated by the customer to be included in a closed user group (CUG) or virtual LAN. EMS provides multipoint-to-multipoint connectivity among all of the customer's access lines within a given domain.

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: October 20, 2008
BY: Vice President
Durham, North Carolina

Second Revised Page 96
Cancels First Revised Page 96
EFFECTIVE: November 4, 2008

## S10. DIGITAL NETWORK SERVICES

### S10.8 Transparent LAN Service (TLS)

#### S10.8.1 Definitions

In addition to the General Definitions set forth in the Verizon South Inc. South Carolina General Customer Services Tariff, Section 1, the following definitions apply:

Domain: A Virtual Local Area Network (VLAN) or a collection of circuits that belong to one closed user group.

Ethernet Multipoint Service (EMS) – A connection-less Ethernet TLS service that allows connectivity among multiple customer-designated locations within a LATA.

Ethernet Relay Service (ERS) Standard - A connection-oriented Ethernet TLS service that allows for point-to-point connectivity between customer-designated locations within a LATA.

Megabit Per Second (Mbps.): The speed where data is being transferred in the network, where one Megabit Per Second equals to the transfer rate of 1 million bits of data in 1 second.

Gigabits Per Second (Gbps): Data transfer rate for 1000 Mbps. (N)

Nanometers (nm): Wavelength frequency equivalent to 1 billionth of a meter.

#### S10.8.2 Service Description

Transparent LAN Services (TLS) are high speed fiber-based data services which use a shared optical transport network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS delivers an interface of 10 Mbps, 100 Mbps and 1000 Mbps from the Customer's LANs to the shared network. (C) (C)

TLS creates a network with the ability to function as a shared public network. TLS protects data privacy by using specialized screening software that permits subscribers to access only their data.

TLS is available where facilities and conditions permit. (N)

TLS is available as two service types: Ethernet Multipoint Service (EMS) or Ethernet Relay Service (ERS) Standard. The customer must select either EMS or ERS Standard as the service type for each domain:

Ethernet Multipoint Service (EMS) is a connection-less Ethernet TLS service that allows connectivity among multiple customer designated locations within a LATA.

With the EMS service type, Ethernet TLS protects data privacy by using closed user groups (CUGs), also known as virtual LANs. CUGs or virtual LANs are used to provide traffic separation, privacy and security between customers on the shared switch and backbone. An EMS domain is comprised of any number of access lines designated by the customer to be included in a closed user group (CUG) or virtual LAN. EMS provides multipoint-to-multipoint connectivity among all of the customer's access lines within a given domain.

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

First Revised Page 96
Cancels Original Page 96
EFFECTIVE: February 2, 2006

## S10. DIGITAL NETWORK SERVICES

### S10.8 Transparent LAN Service (TLS)

#### S10.8.1 Definitions

In addition to the General Definitions set forth in the Verizon South Inc. South Carolina General Customer Services Tariff, Section 1, the following definitions apply:

Domain: A Virtual Local Area Network (VLAN) or a collection of circuits that belong to one closed user group.

Ethernet Multipoint Service (EMS) – A connection-less Ethernet TLS service that allows connectivity among multiple customer-designated locations within a LATA.

Ethernet Relay Service (ERS) Standard - A connection-oriented Ethernet TLS service that allows for point-to-point connectivity between customer-designated locations within a LATA.

Megabit Per Second (Mbps.): The speed where data is being transferred in the network, where one Megabit Per Second equals to the transfer rate of 1 million bits of data in 1 second.

Nanometers (nm): Wavelength frequency equivalent to 1 billionth of a meter.

#### S10.8.2 Service Description

Transparent LAN Services (TLS) are high speed fiber-based data services which use a shared fiber network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS delivers an interface of 10 Mbps, 100 Mbps and 1000 Mbps from the Customer's LANs to the shared network. (C)

TLS creates a network with the ability to function as a shared public network. TLS protects data privacy by using specialized screening software that permits subscribers to access only their data. (C)

TLS is available as two service types: Ethernet Multipoint Service (EMS) or Ethernet Relay Service (ERS) Standard. The customer must select either EMS or ERS Standard as the service type for each domain:

Ethernet Multipoint Service (EMS) is a connection-less Ethernet TLS service that allows connectivity among multiple customer designated locations within a LATA. (N)

With the EMS service type, Ethernet TLS protects data privacy by using closed user groups (CUGs), also known as virtual LANs. CUGs or virtual LANs are used to provide traffic separation, privacy and security between customers on the shared switch and backbone. An EMS domain is comprised of any number of access lines designated by the customer to be included in a closed user group (CUG) or virtual LAN. EMS provides multipoint-to-multipoint connectivity among all of the customer's access lines within a given domain.

## S10. DIGITAL NETWORK SERVICES

### S10.8 Transparent LAN Service (TLS) (N)

#### S10.8.1 Definitions

In addition to the General Definitions set forth in the Verizon South Inc. South Carolina General Customer Services Tariff, Section 1, the following definitions apply:

Domain: A Virtual Local Area Network (VLAN) or a collection of circuits that belong to one closed user group.

Ethernet Multipoint Service (EMS) – A connection-less Ethernet TLS service that allows connectivity among multiple customer-designated locations within a LATA.

Ethernet Relay Service (ERS) Standard - A connection-oriented Ethernet TLS service that allows for point-to-point connectivity between customer-designated locations within a LATA.

Megabit Per Second (Mbps.): The speed where data is being transferred in the network, where one Megabit Per Second equals to the transfer rate of 1 million bits of data in 1 second.

Nanometers (nm): Wavelength frequency equivalent to 1 billionth of a meter.

#### S10.8.2 Service Description

Transparent LAN Service (TLS) is a Central Office Local Area Network and high speed data service which uses a shared optical transport network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS provides an interface of 10 Mbps, 100 Mbps or 1000 Mbps from the customer's LANs to the shared network.

TLS protects data privacy by using specialized screening software that permits subscribers to access only their data.

TLS is available as two service types: Ethernet Multipoint Service (EMS) or Ethernet Relay Service (ERS) Standard. The customer must select either EMS or ERS Standard as the service type for each domain:

With the EMS service type, Ethernet TLS protects data privacy by using closed user groups (CUGs), also known as virtual LANs. CUGs or virtual LANs are used to provide traffic separation, privacy and security between customers on the shared switch and backbone. An EMS domain is comprised of any number of access lines designated by the customer to be included in a closed user group (CUG) or virtual LAN. EMS provides multipoint-to-multipoint connectivity among all of the customer's access lines within a given domain. (N)

VERIZON SOUTH INC. Original Page 96.1
SOUTH CAROLINA
ISSUED: January 20, 2006 EFFECTIVE: February 2, 2006
BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.8** **Transparent LAN Service (TLS)** (N)

**S10.8.2 Service Description (Continued)**

Transparent LAN Services (TLS) are high speed fiber-based data services which use a shared fiber network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS delivers an interface of 10 Mbps, 100 Mbps and 1000 Mbps from the Customer's LANs to the shared network.

Ethernet Relay Service (ERS) is a connection-oriented Ethernet TLS service that allows for point-to-point connectivity between customer designated locations within a LATA.

With the ERS service type, each Ethernet Virtual Circuit (EVC) establishes a virtual LAN or CUG. An ERS domain is comprised of any number of virtual LANs designated by the customer to be included in the ERS domain. ERS provides point-to-point connectivity between pairs of customer's access lines, Internet virtual circuits, and shared network services within a given domain.

A customer may have more than one domain within a LATA, but connections between domains are not permitted. TLS may be used to access shared networks. In such cases, subscribers in a CUG can only access their own data.

Four EVC service classes are available for use with the ERS service type:

ERS Standard (ERS-Std) and ERS Basic (ERS-B) are designed for customer applications that do not require a Committed Information Rate (CIR) or low delay, where CIR = 0 and Excess Information Rate (EIR) = # of Mbps of the selected ERS-Std/ERS-B EVC service class.

ERS-Priority Data (ERS-PD) is designed for customer applications which do not require low delay, but require a CIR, where CIR = # of Mbps of the selected ERS-PD EVC service class and EIR = # of Mbps of the selected ERS-PD EVC service class.

ERS Real Time (ERS-RT) is designed for customer applications which require a CIR and low delay for some portion of their traffic, where CIR = # of Mbps of the selected ERS-RT EVC service class and EIR = 0.

An ERS EVC can include up to three service classes (ERS-B, ERS-PD and ERS-RT) as described above within each EVC. The customer will be required to identify the B, PD and RT Class of Service Ethernet frames by one of the following choices, as appropriate:

setting the VLAN Class of Service (CoS) ID ( for 802.1q tagged Ethernet Frames); or
setting the DiffServ Code Point (DSCP) (for tagged or untagged Ethernet frames); or
setting the VLAN ID (for tagged or untagged Ethernet frames). (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
ISSUED: December 3, 2008
BY: Vice President
Durham, North Carolina

Third Revised Page 97
Cancels Second Revised Page 97
EFFECTIVE: December 19, 2008

## S10. DIGITAL NETWORK SERVICES

### S10.8 Transparent LAN Service (TLS)

#### S10.8.3 Conditions

a. A TLS network is provisioned through specialized wire centers in a specific geographic location. Customers gain access to the shared TLS network via a switch, node or other utility equipment delivering service through a shared fiber path or network infra-structure deployed in the customer's serving central office (TLS equipped central office), deployed in leased space near the Customer's location, or deployed at the Customer's location. At subscription, the Customer has an option of selecting access lines at speeds of 10 Mbps, 100 Mbps, 1000 Mbps or 10 Gbps. The 10 Gbps UNI speed is only available through the Ethernet Relay Service (ERS) Premier access line service type. (C) (C)

b. TLS is available to customers whose serving central office is equipped with TLS equipment and is located within the maximum allowable range of the serving central office. The maximum allowable fiber range is determined by the dB loss rate where the actual distance between the TLS equipped serving wire center and the customer's location will vary based on the specifics of the transport facility used in each serving arrangement.

c. If the customer's serving central office is not equipped with TLS equipment, the customer may obtain service from a TLS-equipped central office, by purchasing Interoffice Mileage in addition to the TLS access line. The fiber dB loss cannot exceed the maximum allowable range, as specified in S10.8.3 b. preceding.

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## S10. DIGITAL NETWORK SERVICES

### S10.8 Transparent LAN Service (TLS)

(D)

### S10.8.3 Conditions

a. A TLS network is provisioned through specialized wire centers in a specific geographic location. Customers gain access to the shared TLS network via a switch, node or other utility equipment delivering service through a shared fiber path or network infra-structure deployed in the customer's serving central office (TLS equipped central office), deployed in leased space near the Customer's location, or deployed at the Customer's location. At subscription, the Customer has an option of selecting access lines at speeds of 10 Mbps, 100 Mbps or 1000 Mbps. (C) | (C)

b. TLS is available to customers whose serving central office is equipped with TLS equipment and is located within the maximum allowable range of the serving central office. The maximum allowable fiber range is determined by the dB loss rate where the actual distance between the TLS equipped serving wire center and the customer's location will vary based on the specifics of the transport facility used in each serving arrangement. (C) (C)

c. If the customer's serving central office is not equipped with TLS equipment, the customer may obtain service from a TLS-equipped central office, by purchasing Interoffice Mileage in addition to the TLS access line. The fiber dB loss cannot exceed the maximum allowable range, as specified in S10.8.3 b. preceding. (C)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS)**

**S10.8.2 Service Description (Continued)**

(D)
(D)

**S10.8.3 Conditions** (T)

a. A TLS network is provisioned through specialized wire centers in a specific geographic location. Customers gain access to the shared TLS network via a switch, node or other utility equipment delivering service through a shared fiber path or network infra-structure and deployed in the customer's serving central office (TLS equipped central office) or deployed in leased space near the Customer's location. At subscription, the Customer has an option of selecting access lines at speeds of 10 Mbps, 100 Mbps or 1000 Mbps. (C) (C)

b. TLS is available to customers whose serving central office is equipped with TLS equipment and is located within the maximum allowable range of the serving central office. The maximum allowable range is determined by the dB loss rate where the actual distance between the TLS equipped serving wire center and the customer's location will vary based on the specifics of the facility used in each serving arrangement. (C) (C)

c. If the customer's serving central office is not equipped with TLS equipment, the customer may obtain service from a TLS-equipped central office, by purchasing Interoffice Mileage in addition to the TLS access line. The dB loss cannot exceed the maximum allowable range, as specified in S10.8.3 b. preceding.

(D)
(D)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS)** (N)

**S10.8.2 Service Description (Continued)**

Protected Access Lines (available for EMS Service Type Only) are provisioned as a survivable service with an alternate fiber pair between the central office and the customer premises. Protected Access Lines, in most situations, will allow the Company to recover from a detected failure by moving the customer's data to an alternate fiber pair in approximately one second. Both fiber pairs must be served by the same central office and must have the same access speed. The second fiber pair will be routed over a diverse fiber path when possible. Protected Access Lines are only available at speeds of 100Mbps and 1000Mbps.

**S10.8.3 Regulations**

a. A TLS network is provisioned through specialized wire centers in a specific geographic location. Customers gain access to the shared public wire center network via TLS equipment deployed in the customer's serving wiring center (or deployed in leased space near the customer's location). At subscription, the customer has an option of selecting access lines at speeds of 10 Mbps, 100 Mbps or 1000 Mbps.

b. TLS is available to customers whose serving central office is equipped with TLS equipment and is located within the maximum allowable range of the serving central office. The maximum dB loss cannot exceed 20dB @ 1310 nm for 10 Mbps service, 26 dB @ 1310 nm for 100 Mbps service and 22db @ 1550nm for 1000 Mbps service, depending on the Customer's distance from the TLS equipped office.

c. If the customer's serving central office is not equipped with TLS equipment, the customer may obtain service from a TLS-equipped central office, by purchasing Interoffice Mileage in addition to the TLS access line. The dB loss cannot exceed the maximum allowable range, as specified in S10.8.3 b. preceding.

d. For ERS service type, the customer must select a Standard Access Line. Ethernet Virtual Circuit (EVC) is required for ERS Standard service type, providing point-to-point Ethernet connectivity between two UNIs, between a UNI and a shared network EVC or between a UNI and an Internet Virtual Circuit. The ERS Standard EVCs are designed for customer applications that do not require bandwidth or delay guarantees. ERS Standard provides no performance guarantee. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)**

d. Provision of Service

The TLS service will consist of:

- Network Interface Device (NID) at the customer's premises to terminate the fiber pair or other optical transport.

- Optical Transport from the customer's premises to the serving central office.

- Network Management including fault monitoring and diagnostics, performance and network configuration applications and manual monitoring when necessary.

- Dedicated Port on the switch.

- User Network Interface (UNI) Port With Access Line Connection.

User Network Interface (UNI) Port With Access Line Connection.

UNI Port with Access Line Connections provide connectivity between the customer premises and the serving wire center. UNI Port with Access Line Connections can be purchased as either Standard, Protected, or Premier. (N) (N)

– For EMS service type, the customer must select a Standard Access Line or a Protected Access Line. The available UNI Port with Access Connections are 10Mbps, 100Mbps, and 1000 Mbps. (C) (C)

- For ERS service type, the customer must select a Standard Access Line or Premier Access Line. The Standard Access Line Connection only supports ERS Standard EVCs. Premier Access Line Connections support ERS Basic, Priority Data, and Real-Time EVCs. (C) (C)

- Ethernet Virtual Circuit (EVC), where applicable.

An Ethernet TLS EVC provides point-to-point Ethernet connectivity between two UNIs or between a UNI and a shared network EVC. Ethernet TLS EVCs are only available with ERS. The ERS Ethernet TLS EVCs are designed for customer applications that require bandwidth or delay guarantees. ERS Standard provides no performance guarantees. (N) (N)

- Interoffice Mileage, where applicable.

- Optional Features
  - Customer Service Management (CSM)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)** (T)

(D)
|
(D)

d. Provision of Service (T)

The TLS service will consist of:

- Network Interface Device (NID) at the customer's premises to terminate the fiber pair or other optical transport.
- Optical Transport from the customer's premises to the serving central office.
- Network Management including fault monitoring and diagnostics, performance and network configuration applications and manual monitoring when necessary.
- Dedicated Port on the switch.
- User Network Interface (UNI) Port With Access Line Connection.
  - User Network Interface (UNI) Port With Access Line Connection. (N)
  - For EMS service type, the customer must select a Standard Access Line or a Protected Access Line
  - For ERS service type, the customer must select a Standard Access Line.
  - Ethernet Virtual Circuit (EVC), where applicable. (C)
    (D)
    |
    (D)
  - Interoffice Mileage, where applicable.
  - Optional Features (N)
    - Customer Service Management (CSM) (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Regulations (Continued)**

e. A customer may have more than one domain within a LATA, but connections between domains are not permitted. TLS may be used to access shared networks. In such cases, subscribers in a CUG can only access their own data.

f. Provision of Service

The TLS service will consist of:

- Network Interface Device (NID) at the customer's premises to terminate the fiber pair or other optical transport.
- Optical Transport from the customer's premises to the serving central office.
- Network Management including fault monitoring and diagnostics, performance and network configuration applications and manual monitoring when necessary.
- Dedicated Port on the switch.
- User Network Interface (UNI) Port With Access Line Connection.
  - For EMS service type, the customer must select a Standard Access Line or a Protected Access Line
  - For ERS service type, the customer must select a Standard Access Line.
  - Ethernet Virtual Circuit (EVC) is required for ERS Standard service type, providing point-to-point Ethernet connectivity between two UNIs, between a UNI and a shared network EVC or between a UNI and an Internet Virtual Circuit. The ERS Standard EVCs are designed for customer applications that do not require bandwidth or delay guarantees. ERS Standard provides no performance guarantee.
- Interoffice Mileage, where applicable. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)**

e. Availability of Service

TLS is available where facilities and conditions permit. Special construction charges may apply when fiber build out is required.

TLS will be provided seven days a week, 24 hours a day, from central offices equipped to provide this service.

ERS Service, including Premier Access Lines and ERS-Std, ERS-B, ERS-PD, and ERS-RT EVCs, as defined in S22.4.2, will only be available from Central Offices equipped to support ERS service.

f. Connections

The network interface device (NID) is the LAN interface on the TLS equipment at the Customer's premises. The customer is responsible for any inside wire required to connect the LAN to the TLS equipment.

The Customer is also responsible for any inside wiring required to connect the LAN to the TLS equipment, installation.

The Customer is also responsible for installation, operation and maintenance of any Customer-provided equipment.

The Company has the service responsibility up to and including the network interface (NID).

The standard Customer connectivity model for UNI Port and Access includes direct fiber or existing fiber or existing transport facilities between the Customer's location and the TLS equipped central office. Customers requesting Protected Access Line service will have two standby fibers provisioned in addition to the primary direct fiber. Customer may select to have their UNI Port and Access provisioned over an optical transport system. If so, the Customer must choose one of the following UNI Port with Access arrangements: (N)

- Protected Non-Diverse: Customer connectivity is provisioned over an optical transport system as a survivable service with an alternate (non diverse) facility between the Customer's location and the TLS equipped central office. The optical protected interoffice mileage charge is only applicable to the 1000 Mbps speed when interoffice facilities are required.

- Protected Diverse: Customer connectivity is provisioned over an optical transport system as a survival service with an alternate and diverse fiber path between the Customer's location and the TLS equipped central office. The optical protected interoffice mileage charge is only applicable to the 1000 Mbps speed when interoffice facilities are required. Dual entrance at the Customer premises and Company wire centers are not considered a standard feature of this option, but may be provided through special construction charges, where facilities are available.

- Protected Private: Customer connectivity is provisioned over a dedicated private ring which the customer has already obtained from the Telephone Company. At least one node of the private ring must be located in a TLS equipped central office. (N)

g. Limitations

The Customer's location must be within the maximum allowable range of the TLS equipped central office, as defined in S10.8.3 b.

(M)

* Material relocated to Page 99.1 (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)** (T)

e. Availability of Service (T)

TLS is available where facilities and conditions permit. Special construction charges may apply when fiber build out is required.

TLS will be provided seven days a week, 24 hours a day, from central offices equipped to provide this service.

ERS Service, including Premier Access Lines and ERS-Std, ERS-B, ERS-PD, and ERS-RT EVCs, as defined in S22.4.2, will only be available from Central Offices equipped to support ERS service. (N) (N)

f. Connections (T)

The network interface device (NID) is the LAN interface on the TLS equipment at the Customer's premises. The customer is responsible for any inside wire required to connect the LAN to the TLS equipment. (C) | (C)

The Customer is also responsible for any inside wiring required to connect the LAN to the TLS equipment, installation. (C) (D)

The Customer is also responsible for installation, operation and maintenance of any Customer-provided equipment. (N) (N)

The Company has the service responsibility up to and including the network interface (NID). (T)

g. Limitations (T)

The Customer's location must be within the maximum allowable range of the TLS equipped central office, as defined in S10.8.3 b.

h. Maintenance Window (T)

To meet the Customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally these upgrades will be performed between the hours of 11PM and 6AM. Network upgrades are planned to provide Customers reasonable and timely notification in order to minimize any impact on the Customers' service.

i. Technical Specifications (T)

The technical specifications for TLS are delineated in IEEE802.3-2000.

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Regulations (Continued)**

g. Availability of Service

TLS is available where facilities and conditions permit. Special construction charges may apply when fiber build out is required.

TLS will be provided seven days a week, 24 hours a day, from central offices equipped to provide this service.

h. Connections

The network interface is the interface on the TLS equipment at the customer's premises.

The Customer is also responsible for any inside wiring required to connect the LAN to the TLS equipment, installation, operation and maintenance of any customer-provided equipment, and installation work that is performed beyond the demarcation point.

The Company has the service responsibility up to and including the network interface.

i. Limitations

The Customer's location must be within the maximum allowable range of the TLS equipped central office, as defined in S10.8.3 b.

j. Maintenance Window

To meet the Customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally these upgrades will be performed between the hours of 11PM and 6AM. Network upgrades are planned to provide Customers reasonable and timely notification in order to minimize any impact on the Customers' service.

k. Technical Specifications

The technical specifications for TLS are delineated in IEEE802.3-2000. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)**

h. Maintenance Window

To meet the Customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally these upgrades will be performed between the hours of 11PM and 6AM. Network upgrades are planned to provide Customers reasonable and timely notification in order to minimize any impact on the Customers' service.

i. Technical Specifications

The technical specifications for TLS are delineated in IEEE802.3-2000.

j. Transmission Mode

The supported transmission mode for 10 Mbps, 100 Mbps, 1000 Mbps or 10 Gpbs access is full duplex. (C)

k. Interruption of Service

Provisions concerning limitations of liability and allowance for interruption of service are as set forth in Section S2 of this Tariff.

l. The associated regulations, rates and charges under the Company's Tariffs shall apply in addition to the regulations, rates and charges associated with TLS.

m. TLS is available where facilities and conditions permit. Special construction charges may apply.

n. Service Level Agreements (SLA)

Service Level Agreements (SLA) provide TLS Customers with Service Response Credits (SRC) applied to their Verizon South Inc. telephone bill if the Company fails to meet certain operational and network thresholds. SLAs are available at no additional charge or fee to the Customer.

A Customer is eligible for the SLA SRC given the Customer adheres to the conditions stated within this section. The SLA specifies performance criteria against which actual performance for TLS will be compared on a monthly basis.

The TLS SLA includes the following measurements:

- Operational SLAs
  - Mean Time to Repair (MTTR)
  - Network Availability
- Network Performance SLAs
  - Ethernet Virtual Circuit (EVC) Class of Service (CoS) Performance
    - Data Delivery Ratio (DDR)
    - Round Trip Delay (RTD)
    - Jitter

The SLA SRC will apply to the following TLS elements:

- UNI Port with Access Line Connection
- Ethernet Virtual Circuit (EVC) Bandwidth

(D)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)**

h. Maintenance Window (M)

To meet the Customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally these upgrades will be performed between the hours of 11PM and 6AM. Network upgrades are planned to provide Customers reasonable and timely notification in order to minimize any impact on the Customers' service.

i. Technical Specifications

The technical specifications for TLS are delineated in IEEE802.3-2000. (M)

j. Transmission Mode

The supported transmission mode for 10 Mbps, 100 Mbps and 1000 Mbps access is full duplex.

k. Interruption of Service

Provisions concerning limitations of liability and allowance for interruption of service are as set forth in Section S2 of this Tariff.

l. The associated regulations, rates and charges under the Company's Tariffs shall apply in addition to the regulations, rates and charges associated with TLS.

m. TLS is available where facilities and conditions permit. Special construction charges may apply.

n. Service Level Agreements (SLA)

Service Level Agreements (SLA) provide TLS Customers with Service Response Credits (SRC) applied to their Verizon South Inc. telephone bill if the Company fails to meet certain operational and network thresholds. SLAs are available at no additional charge or fee to the Customer.

A Customer is eligible for the SLA SRC given the Customer adheres to the conditions stated within this section. The SLA specifies performance criteria against which actual performance for TLS will be compared on a monthly basis.

The TLS SLA includes the following measurements:

- Operational SLAs
  - Mean Time to Repair (MTTR)
  - Network Availability
- Network Performance SLAs
  - Ethernet Virtual Circuit (EVC) Class of Service (CoS) Performance
    - Data Delivery Ratio (DDR)
    - Round Trip Delay (RTD)
    - Jitter

The SLA SRC will apply to the following TLS elements:

- UNI Port with Access Line Connection
- Ethernet Virtual Circuit (EVC) Bandwidth

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)**

j. Transmission Mode (M)

The supported transmission mode for 10 Mbps, 100 Mbps and 1000 Mbps access is full duplex.

k. Interruption of Service

Provisions concerning limitations of liability and allowance for interruption of service are as set forth in Section S2 of this Tariff.

l. The associated regulations, rates and charges under the Company's Tariffs shall apply in addition to the regulations, rates and charges associated with TLS.

m. TLS is available where facilities and conditions permit. Special construction charges may apply. (M)

n. Service Level Agreements (SLA) (N)

Service Level Agreements (SLA) provide TLS Customers with Service Response Credits (SRC) applied to their Verizon South Inc. telephone bill if the Company fails to meet certain operational and network thresholds. SLAs are available at no additional charge or fee to the Customer.

A Customer is eligible for the SLA SRC given the Customer adheres to the conditions stated within this section. The SLA specifies performance criteria against which actual performance for TLS will be compared on a monthly basis.

The TLS SLA includes the following measurements:

- Operational SLAs
  - Mean Time to Repair (MTTR)
  - Network Availability
- Network Performance SLAs
  - Ethernet Virtual Circuit (EVC) Class of Service (CoS) Performance
    - Data Delivery Ratio (DDR)
    - Round Trip Delay (RTD)
    - Jitter

The SLA SRC will apply to the following TLS elements:

- UNI Port with Access Line Connection
- Ethernet Virtual Circuit (EVC) Bandwidth (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

To receive SRCs on eligible rate elements, the Customer must have the eligible rate elements listed in its initial subscription based on the established customer of record, or have ordered the eligible rate elements subsequent to its initial subscription. The Telephone Company reserves the right to change, alter or discontinue the optional SRC plan at its discretion.

All service performance and provisioning measurements are conducted using the Telephone Company monitoring systems and procedures. The Telephone Company may change these systems and procedures at its sole discretion. In performing measurements of overall Mean Time To Repair (MTTR) and Network Availability, the Telephone Company shall include data measured throughout the territories covered by this tariff.

To receive credit, the Telephone Company must receive from the Customer a written request for credit within thirty (30) calendar days of the end of the monitoring period that the SRC is referencing. The Customer's request for credit must be submitted to the appropriate Company entity (office or interface) in a manner prescribed by Company. The request must include a list of all impacted circuit/connection identification numbers and the type of SRC requested for each circuit/connection. The SRC monitoring period is based on a calendar month.

1. Operational Service Level Agreements (SLAs)

(a) Mean Time to Repair (MTTR)

MTTR is the average mean time for the Telephone Company to repair Customer reported interruptions for service that is within the Telephone Company's network. A TLS service is interrupted when it becomes unusable to the Customer because of a failure of a facility component within the Telephone Company's network that is used to furnish service under this tariff.

MTTR Measurement

Under the MTTR SLA, the Telephone Company will measure the average Time to Repair (TTR) for Customer-reported interruptions in the services with respect to TLS Access Lines. To be measured under this SLA, the Customer must report any interruption to a Telephone Company-designated entity for the opening of a trouble ticket. The TTR is measured from the date and time a trouble ticket is opened by the Telephone Company and the date and time when such ticket is closed by the Telephone Company. In measuring the TTR, any stop clock time or adjusted duration time associated with the trouble shall be subtracted from such measurement. For purposes of this measurement, stop clock time refers to

(1) periods when the Customer testing is occurring;

(2) periods when the Telephone Company is awaiting the Customers authorization to commence work on a TLS Access Line; (N)

## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

1. Operational Service Level Agreements (SLAs)

(a) Mean Time to Repair (MTTR) (Continued)

MTTR Measurement (Continued)

(3) periods when the Telephone Company is denied access to the Customers premises or facilities as necessary to diagnose, repair or test

(4) periods following a repair of a TLS Access line when the ticket is held open by the Customer to ensure the trouble is resolved and

(5) any time period during which any of the listed occurrences existed, as set forth in Section n.4 SLA Exclusions following.

The SLA shall not apply to cases of trouble where no trouble was found or repeated cases of trouble for the same interruption. The MTTR SLA shall be measured on a calendar month basis and shall be calculated by adding the TTR for all interruptions and dividing that sum by the total number of trouble tickets opened for interruptions for the Customer during that month.

MTTR SRCs

If the MTTR is greater than four (4) hours over the calendar month, then 50% of the one month TLS Access Line monthly charge shall be given as a MTTR SRC for those Access Lines which have been out of service for longer than four (4) hours and have been reported by the Customer via a trouble ticket to the Telephone Company. The MTTR SRC credit excludes and is not applicable to scheduled maintenance, scheduled downtimes or delays resulting from an event of force majeure. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

1. Operational Service Level Agreements (SLAs) (Continued)

(b) Network Availability

Network Availability refers to the percentage of time during a calendar month that the TLS is available for use by the Customer.

Network Availability Measurement

The Telephone Company threshold for Network Availability is 99.90%. Network Availability is calculated on a per TLS Port Connection basis as follows:

((24 X Number of Days in Month X Number of TLS Port Connections) – (Number of Hours Out of Service during Month))/(24 X Number of Days in Month X Number of TLS Port Connections).

The Telephone Company will not round up the calculation to reach the 99.90% threshold. This SLA is only available for outages reported by the Customer via a trouble ticket to the Telephone Company.

Network Availability SRCs

If the overall Network Availability measurement is less than the threshold of 99.90% for a calendar month, the Telephone Company will provide a credit equal to ten percent (10%) of the associated monthly charge for any individual TLS port connection that did not meet such threshold during such calendar month. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

4. SLA Exclusions

SLAs do not apply to the extent that any of the following reasons prevented the Telephone Company from meeting such SLAs:

(a) The acts of the Customer or other party authorized by the Customer to use the TLS circuit/connection, including but not limited to Customer's negligence, Customer's refusal to grant the Telephone Company reasonable access to its premises for testing/repair, Customer's refusal to release the TLS circuit/connection for testing and/or repair, Customer's maintenance activities or its rearrangement of the TLS circuit/connection or where the Customer has exceeded the purchased EVC bandwidth;

(b) Subsequent reports (i.e., additional Customer inquiries) while the trouble is pending;

(c) Service troubles closed due to the Customer's action;

(d) Service troubles repaired by the Telephone Company prior to its receipt of a trouble report;

(e) Service trouble caused by the Customer's CPE or facilities on its side of the demarcation point or any power, equipment, service or systems not provided by the Telephone Company;

(f) An Interruption related to the provisioning of a new TLS Access Line or Access Lines in service for less than a month;

(g) Scheduled maintenance and downtimes;

(h) Unavailability of network monitoring or management equipment or reporting;

(i) Any other reason outside the control of the Telephone Company. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

5. Limitation on SRCs

The combined total of any SRCs applied to the Customer's TLS service for a calendar month must meet the following conditions:

(a) For any calendar year, the total SRCs shall not exceed ten percent (10%) of the total annual revenue of the prior calendar year billed to the Customer for qualifying service elements, or $200,000 per Customer, whichever is less. For any calendar year in which the Customer had less than twelve (12) full months of revenue for qualifying service elements in the prior calendar year, the SRCs may not exceed $20,000 per Customer for TLS Network.

(b) To receive an SRC, the Customer must request such SRC in writing within thirty (30) calendar days of the end of the monitoring period of the referenced SRC. The request must include a list of all impacted EVC identification numbers and the type of SRC requested for each EVC.

**S10.8.4 Application of Rates and Charges**

a. The following rate elements are applicable to TLS:

- UNI Port with Access Line Connection
- Ethernet Virtual Circuit (EVC)

- Interoffice Mileage

Domain/LAN Extension Equipment Changes
Optional Features
Customer Service Management (CSM)

(a) Standard Access Line (available for EMS or ERS Service Type)

A monthly rate applies on a per line basis based on the speed of the access connection (i.e., 10 Mbps, 100 Mbps, or 1000 Mbps). The Standard Access Line is offered as a Month-to-Month Option, or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge will apply for the installation of the Standard Access Line when a customer subscribes to the Month-to-Month Option. Besides the standard connectivity model, Standard Access Line is offered with three other types of UNI Port with Access Line Connections, where facilities exist. (C)

Protected Non-Diverse
Protected Diverse
Protected Private (C)

(D)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)**

(M)

n. Service Level Agreements (SLA) (Continued) (N)

5. Limitation on SRCs

The combined total of any SRCs applied to the Customer's TLS service for a calendar month must meet the following conditions:

(a) For any calendar year, the total SRCs shall not exceed ten percent (10%) of the total annual revenue of the prior calendar year billed to the Customer for qualifying service elements, or $200,000 per Customer, whichever is less. For any calendar year in which the Customer had less than twelve (12) full months of revenue for qualifying service elements in the prior calendar year, the SRCs may not exceed $20,000 per Customer for TLS Network.

(b) To receive an SRC, the Customer must request such SRC in writing within thirty (30) calendar days of the end of the monitoring period of the referenced SRC. The request must include a list of all impacted EVC identification numbers and the type of SRC requested for each EVC. (N)

**S10.8.4 Application of Rates and Charges**

a. The following rate elements are applicable to TLS:

- UNI Port with Access Line Connection
- Ethernet Virtual Circuit (EVC)

- Interoffice Mileage
- Domain/LAN Extension Equipment Changes
- Optional Features
  Customer Service Management (CSM)

(a) Standard Access Line (available for EMS or ERS Service Type)

A monthly rate applies on a per line basis based on the speed of the access connection (i.e., 10 Mbps, 100 Mbps, or 1000 Mbps). The Standard Access Line is offered as a Month-to-Month Option, or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge will apply for the installation of the Standard Access Line when a customer subscribes to the Month-to-Month Option.

(M) Material has been moved to Page 99.1. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)** (T)

j. Transmission Mode (T)

The supported transmission mode for 10 Mbps, 100 Mbps and 1000 Mbps access is full duplex. (C) (D) (D)

k. Interruption of Service - Provisions concerning limitations of liability and allowance for interruption of service are as set forth in Section S2 of this Tariff. (T)

l. The associated regulations, rates and charges under the Company's Tariffs shall apply in addition to the regulations, rates and charges associated with TLS. (T)

m. TLS is available where facilities and conditions permit. Special construction charges may apply. (T)

**S10.8.4 Application of Rates and Charges**

a. The following rate elements are applicable to TLS:

- UNI Port with Access Line Connection
- Ethernet Virtual Circuit (EVC)

(D)

- Interoffice Mileage
- Domain/LAN Extension Equipment Changes
- Optional Features
  Customer Service Management (CSM)

(D)
(D)

(a) Standard Access Line (available for EMS or ERS Service Type) (N)

A monthly rate applies on a per line basis based on the speed of the access connection (i.e., 10 Mbps, 100 Mbps, or 1000 Mbps). The Standard Access Line is offered as a Month-to-Month Option, or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge will apply for the installation of the Standard Access Line when a customer subscribes to the Month-to-Month Option. (N)

(M)

(M) Material previously appearing on this page now appears on Page 100.2. (N)

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BY: Vice President
Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Regulations (Continued)**

l. Transmission Mode

The transmission mode supported is dependent on the access rate. The supported transmission mode for 10 Mbps, 100 Mbps and 1000 Mbps access is full duplex. Full duplex access for all speeds is available only where conditions and facilities permit.

m. Interruption of Service - Provisions concerning limitations of liability and allowance for interruption of service are as set forth in Section S2 of this Tariff.

n. The associated regulations, rates and charges under the Company's Tariffs shall apply in addition to the regulations, rates and charges associated with TLS.

o. TLS is available where facilities and conditions permit. Special construction charges may apply.

**S10.8.4 Application of Rates and Charges**

a. The following rate elements are applicable to TLS:

- UNI Port with Access Line Connection
- Ethernet Virtual Circuit (EVC)
- Protected Access Line (PAL)
- Interoffice Mileage
- Domain/LAN Extension Equipment Changes
- Optional Features
  (1) Customer Service Management (CSM)

(1) UNI Port with Access Line Connection

Type) – A monthly rate applies on a per line basis, based on the speed of the access connection (i.e., 10 MBPS, 100 MBPS, or 1000 MBPS). The Standard Access Line is offered on a month-to-month basis, or as a three-year or five-year Term Commitment Plan. A nonrecurring charge applies to the installation of TLS Standard Access Lines provided on a month-to-month basis.

(2) Ethernet Virtual Circuit (EVC)

For customers who order the ERS Standard service type, a monthly rate applies on a per EVC basis and varies by the bandwidth selected (10 Mbps, 100 Mbps, 1000 Mbps). The EVC bandwidth must be equal to the lower speed bandwidth of the end points it is connecting. The number of EVCs permitted on a circuit is limited as follows: 10 Mbps = 2 EVCs; 100 Mbps = no more than 10 EVCs; 1000 Mbps = no more than 75 EVCs. (N)

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SOUTH CAROLINA
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued):

(1) UNI Port with Access Line Connection (Continued)

(b) Protected Access Line (available for EMS Service Type only)

Protected Access Lines are provisioned as a survivable service with an alternate fiber pair between the central office and the customer premises. Protected Access Line allows the Company, in most situations, to detect and recover a failure and move the customer's data to an alternate fiber pair in approximately one second in most instances. Both fiber pairs must be served by the same central office and must have the same access speed. The second fiber pair will be routed over a diverse fiber path when possible.

A monthly rate applies on a per line basis, based on the speed of the access connection (i.e., 100 Mbps, 1000 Mbps). The Protected Access Line is offered as a Month-to-Month Option, or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge will apply to the installation of a Protected Access Line provided on a Month-to-Month basis. Protected Access Line is only offered with a direct fiber UNI Port with Access Line Connection, where facilities exist.

(c) Premier Access Line (available for ERS Service Type only)

A monthly rate applies on a per -line basis, based on the speed of the access line (i.e., 10 Mbps, 100 Mbps, 1000 Mbps or 10 Gbps). A Premier Access Line must be purchased in conjunction with some combination of ERS-B, ERS-PD, and/or ERS-RT EVC service classes, which are described in S22.4.2. preceding. The Premier Access Line is offered on a month-to-month basis or as a 3- or 5-Year Term Commitment Plan. A nonrecurring charge applies to the installation of the Premier Access Line provided on a month-to-month basis. A customer cannot mix Premier Access Lines with any other access line type. (C)

The percentage of each Premier Access Line UNIs allowed for EVC bandwidth is limited, where connections must comply with each of the following threshold requirements:

ERS-B less than or = to 500% of UNI speed
ERS-PD less than or = to 85% of UNI speed
ERS-RT less than or = to 50% of UNI speed
ERS-PD + ERS-RT less than or = to 85% of UNI speed
ERS-B + ERS-PD + ERS-RT less than or = to 500% of UNI speed

Besides the standard connectivity model, Premier Access Line is offered with three other types of UNI Port with Access Line Connections, where facilities exist.

(1) Protected Non-Diverse
(2) Protected Diverse
(3) Protected Private

(D)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued):

(1) UNI Port with Access Line Connection (Continued)

(b) Protected Access Line (available for EMS Service Type only)

Protected Access Lines are provisioned as a survivable service with an alternate fiber pair between the central office and the customer premises. Protected Access Line allows the Company, in most situations, to detect and recover a failure and move the customer's data to an alternate fiber pair in approximately one second in most instances. Both fiber pairs must be served by the same central office and must have the same access speed. The second fiber pair will be routed over a diverse fiber path when possible.

A monthly rate applies on a per line basis, based on the speed of the access connection (i.e., 100 Mbps and 1000 Mbps). The Protected Access Line is offered as a Month-to-Month Option, or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge will apply to the installation of a Protected Access Line provided on a Month-to-Month basis. Protected Access Line is only offered with a direct fiber UNI Port with Access Line Connection, where facilities exist. (T) (C) (C)

(c) Premier Access Line (available for ERS Service Type only)

A monthly rate applies on a per -line basis, based on the speed of the access line (i.e., 10 Mbps, 100 Mbps, 1000 Mbps). A Premier Access Line must be purchased in conjunction with some combination of ERS-B, ERS-PD, and/or ERS-RT EVC service classes, which are described in S22.4.2. preceding. The Premier Access Line is offered on a month-to-month basis or as a 3- or 5-Year Term Commitment Plan. A nonrecurring charge applies to the installation of the Premier Access Line provided on a month-to-month basis. A customer cannot mix Premier Access Lines with any other access line type.

The percentage of each Premier Access Line UNIs allowed for EVC bandwidth is limited, where connections must comply with each of the following threshold requirements:

ERS-B less than or = to 500% of UNI speed
ERS-PD less than or = to 85% of UNI speed
ERS-RT less than or = to 50% of UNI speed
ERS-PD + ERS-RT less than or = to 85% of UNI speed
ERS-B + ERS-PD + ERS-RT less than or = to 500% of UNI speed

Besides the standard connectivity model, Premier Access Line is offered with three other types of UNI Port with Access Line Connections, where facilities exist. (N)

(1) Protected Non-Diverse
(2) Protected Diverse
(3) Protected Private (N)

(M)

(M) Material relocated to Page 100.2. (N)

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SOUTH CAROLINA
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued):

(1) UNI Port with Access Line Connection (Continued)

(b) Protected Access Line (available for EMS Service Type only)

Protected Access Lines are provisioned as a survivable service with an alternate fiber pair between the central office and the customer premises. Protected Access Line allows the Company, in most situations, to detect and recover a failure and move the customer's data to an alternate fiber pair in approximately one second in most instances. Both fiber pairs must be served by the same central office and must have the same access speed. The second fiber pair will be routed over a diverse fiber path when possible.

A monthly rate applies on a per line basis, based on the speed of the access connection (i.e., 100 Mbps, 1000 Mbps). The Protected Access Line is offered as a Month-to-Month Option, or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge will apply to the installation of a Protected Access Line provided on a Month-to-Month basis.

(c) Premier Access Line (available for ERS Service Type only)

A monthly rate applies on a per -line basis, based on the speed of the access line (i.e., 10 Mbps, 100 Mbps, 1000 Mbps). A Premier Access Line must be purchased in conjunction with some combination of ERS-B, ERS-PD, and/or ERS-RT EVC service classes, which are described in S22.4.2. preceding. The Premier Access Line is offered on a month-to-month basis or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge applies to the installation of the Premier Access Line provided on a month-to-month basis. A customer cannot mix Premier Access Lines with any other access line type. (C) (C)

The percentage of each Premier Access Line UNIs allowed for EVC bandwidth is limited, where connections must comply with each of the following threshold requirements:

ERS-B less than or = to 500% of UNI speed
ERS-PD less than or = to 85% of UNI speed (C)
ERS-RT less than or = to 50% of UNI speed
ERS-PD + ERS-RT less than or = to 85% of UNI speed (C)
ERS-B + ERS-PD + ERS-RT less than or = to 500% of UNI speed (C)

(d) EMS Real Time (EMS-RT) Access Line (available for EMS Service Type only)

A monthly rate applies on a per-line basis, based on the speed of the access connection (i.e., 100 Mbps, 1000 Mbps). This enhanced service class configures a fixed portion of the UNI for Real Time Traffic, where each 100 Mbps UNI has CIR = 5 Mbps with EIR = 0, or each 1000 Mbps UNI has CIR = 20 Mbps with EIR = 0. The remainder of the UNI can be used for CIR = 0 and EIR = 0 traffic. The EMS-RT Access Line is offered on a month-to-month basis or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge applies to the installation of the EMS-RT provided on a month-to-month basis. A customer cannot mix an EMS-RT Access Line with the ERS Service type, but may mix EMS-RT Access Line with EMS Access Lines. (C) (C)

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Durham, North Carolina

## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued):

(1) UNI Port with Access Line Connection (Continued)

(b) Protected Access Line (available for EMS Service Type only)

Protected Access Lines are provisioned as a survivable service with an alternate fiber pair between the central office and the customer premises. Protected Access Line allows the Company, in most situations, to detect and recover a failure and move the customer's data to an alternate fiber pair in approximately one second in most instances. Both fiber pairs must be served by the same central office and must have the same access speed. The second fiber pair will be routed over a diverse fiber path when possible.

A monthly rate applies on a per line basis, based on the speed of the access connection (i.e., 100 Mbps, 1000 Mbps). The Protected Access Line is offered as a Month-to-Month Option, or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge will apply to the installation of a Protected Access Line provided on a Month-to-Month basis.

(c) Premier Access Line (available for ERS Service Type only)

A monthly rate applies on a per -line basis, based on the speed of the access line (i.e., 100 Mbps, 1000 Mbps). A Premier Access Line must be purchased in conjunction with some combination of ERS-B, ERS-PD, and/or ERS-RT EVC service classes, which are described in S22.4.2. preceding. The Premier Access Line is offered on a month-to-month basis or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge applies to the installation of the Premier Access Line provided on a month-to-month basis. A customer cannot mix Premier Access Lines with any other access line type.

The percentage of each Premier Access Line UNIs allowed for EVC bandwidth is limited, where connections must comply with each of the following threshold requirements:

ERS-B less than or = to 500% of UNI speed
ERS-PD less than or = to 100% of UNI speed
ERS-RT less than or = to 50% of UNI speed
ERS-PD + ERS-RT less than or = to 100% of UNI speed
ERS-B + ERS-PD + ERS-RT less than or = to 600% of UNI speed

(d) EMS Real Time (EMS-RT) Access Line (available for EMS Service Type only)

A monthly rate applies on a per-line basis, based on the speed of the access connection (i.e., 100 Mbps, 1000 Mbps). This enhanced service class configures a fixed portion of the UNI for Real Time Traffic, where each 100 Mbps UNI has CIR = 2 Mbps with EIR = 0, or each 1000 Mbps UNI has CIR = 10 Mbps with EIR = 0. The remainder of the UNI can be used for CIR = 0 and EIR = 0 traffic. The EMS-RT Access Line is offered on a month-to-month basis or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge applies to the installation of the EMS-RT provided on a month-to-month basis. A customer cannot mix an EMS-RT Access Line with the ERS Service type, but may mix EMS-RT Access Line with EMS Access Lines. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued):

(1) UNI Port with Access Line Connection (Continued)

(d) EMS Real Time (EMS-RT) Access Line (available for EMS Service Type only)

A monthly rate applies on a per-line basis, based on the speed of the access connection (i.e., 100 Mbps, 1000 Mbps). This enhanced service class configures a fixed portion of the UNI for Real Time Traffic, where each 100 Mbps UNI has CIR = 5 Mbps with EIR = 0, or each 1000 Mbps UNI has CIR = 20 Mbps with EIR = 0. The remainder of the UNI can be used for CIR = 0 and EIR = 0 traffic. The EMS-RT Access Line is offered on a month-to-month basis or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge applies to the installation of the EMS-RT provided on a month-to-month basis. A customer cannot mix an EMS-RT Access Line with the ERS Service type, but may mix EMS-RT Access Line with EMS Access Lines.

(2) Ethernet Virtual Circuit (EVC)

For customers who order the ERS Service Type with a Standard Access Line, a monthly rate will apply on a per EVC bandwidth basis. ERS-Std is the only EVC class available with the ERS Standard Access Line. The EVC bandwidth must be equal to the bandwidth of the lowest speed of the end points it is connecting. ERS-Std EVCs are purchased on a month-to-month basis. A non-recurring setup charge will apply per ERS-Std EVC.

For customers who order the Premier Access Line, a monthly rate will apply on a service class and EVC bandwidth basis. Premier Access Line customers have the choice of combining ERS-B, ERS -PD, and/or ERS-RT bandwidth on an EVC. A non-recurring setup charge will apply per ERS EVC. EVCs are purchased on a month-to-month basis. A customer may have more than one service class on the EVC, but will only pay one EVC non-recurring setup charge.

The number of EVCs permitted on each Standard Access Line and/or Premier Access Line are limited as follows:

10 Mbps less than or = to 2 EVCs
100 Mbps less than or = to 16 EVCs
1000 Mbps less than or = to 75 EVCs
10 Gbps less than or = to 250 EVCs (N)

ERS–Basic, ERS–Priority Data and ERS–Real Time EVC bandwidth is limited to a maximum Mbps per Service Class per EVC, and must comply with each of the following maximum limits:

| EVC Service Class | 100 Mbps UNI Max/EVC | 1000 Mbps UNI Max/EVC | 10 Gbps UNI Max/EVC | |
|---|---|---|---|---|
| ERS-B | 100 Mbps | 1000 Mbps | 1000 Mbps | (N) |
| ERS-PD | 50 Mbps | 500 Mbps | 500 Mbps | |
| ERS-RT | 50 Mbps | 100 Mbps | 100 Mbps | (N) |

Besides the standard connectivity model, EMS Real Time Access Line is offered with three other types of UNI Port with Access Line Connections, where facilities exist.

Protected Non-Diverse
Protected Diverse
Protected Private (D)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued):

(1) UNI Port with Access Line Connection (Continued)

(d) EMS Real Time (EMS-RT) Access Line (available for EMS Service Type only) (M)

A monthly rate applies on a per-line basis, based on the speed of the access connection (i.e., 100 Mbps, 1000 Mbps). This enhanced service class configures a fixed portion of the UNI for Real Time Traffic, where each 100 Mbps UNI has CIR = 5 Mbps with EIR = 0, or each 1000 Mbps UNI has CIR = 20 Mbps with EIR = 0. The remainder of the UNI can be used for CIR = 0 and EIR = 0 traffic. The EMS-RT Access Line is offered on a month-to-month basis or as a 3- or 5- Year Term Commitment Plan. A nonrecurring charge applies to the installation of the EMS-RT provided on a month-to-month basis. A customer cannot mix an EMS-RT Access Line with the ERS Service type, but may mix EMS-RT Access Line with EMS Access Lines. (M)

(2) Ethernet Virtual Circuit (EVC)

For customers who order the ERS Service Type with a Standard Access Line, a monthly rate will apply on a per EVC bandwidth basis. ERS-Std is the only EVC class available with the ERS Standard Access Line. The EVC bandwidth must be equal to the bandwidth of the lowest speed of the end points it is connecting. ERS-Std EVCs are purchased on a month-to-month basis. A non-recurring setup charge will apply per ERS-Std EVC.

For customers who order the Premier Access Line, a monthly rate will apply on a service class and EVC bandwidth basis. Premier Access Line customers have the choice of combining ERS-B, ERS -PD, and/or ERS-RT bandwidth on an EVC. A non-recurring setup charge will apply per ERS EVC. EVCs are purchased on a month-to-month basis. A customer may have more than one service class on the EVC, but will only pay one EVC non-recurring setup charge.

The number of EVCs permitted on each Standard Access Line and/or Premier Access Line are limited as follows:

10 Mbps less than or = to 2 EVCs
100 Mbps less than or = to 16 EVCs (C)
1000 Mbps less than or = to 75 EVCs

ERS–Basic, ERS–Priority Data and ERS–Real Time EVC bandwidth is limited to a maximum Mbps per Service Class per EVC, and must comply with each of the following maximum limits:

| EVC Service Class | 100 Mbps UNI Max/EVC | 1000 Mbps UNI Max/EVC |
|---|---|---|
| ERS-B | 100 Mbps | 1000 Mbps |
| ERS-PD | 50 Mbps | 500 Mbps |
| ERS-RT | 50 Mbps | 100 Mbps |

Besides the standard connectivity model, EMS Real Time Access Line is offered with three other types of UNI Port with Access Line Connections, where facilities exist. (N)

Protected Non-Diverse
Protected Diverse
Protected Private (N)

(M) Material relocated from Page 100.1. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued):

(2) Ethernet Virtual Circuit (EVC)

For customers who order the ERS Service Type with a Standard Access Line, a monthly rate will apply on a per EVC bandwidth basis. ERS-Std is the only EVC class available with the ERS Standard Access Line. The EVC bandwidth must be equal to the bandwidth of the lowest speed of the end points it is connecting. ERS-Std EVCs are purchased on a month-to-month basis. A non-recurring setup charge will apply per ERS-Std EVC.

For customers who order the Premier Access Line, a monthly rate will apply on a service class and EVC bandwidth basis. Premier Access Line customers have the choice of combining ERS-B, ERS - PD, and/or ERS-RT bandwidth on an EVC. A non-recurring setup charge will apply per ERS EVC. EVCs are purchased on a month-to-month basis. A customer may have more than one service class on the EVC, but will only pay one EVC non-recurring setup charge.

The number of EVCs permitted on each Standard Access Line and/or Premier Access Line are limited as follows:

10 Mbps less than or = to 2 EVCs
100 Mbps less than or = to 10 EVCs
1000 Mbps less than or = to 75 EVCs

ERS–Basic, ERS–Priority Data and ERS–Real Time EVC bandwidth is limited to a maximum Mbps per Service Class per EVC, and must comply with each of the following maximum limits: (T)

| EVC Service Class | 100 Mbps UNI Max/EVC | 1000 Mbps UNI Max/EVC |
|---|---|---|
| ERS-B | 100 Mbps | 1000 Mbps |
| ERS-PD | 50 Mbps | 500 Mbps |
| ERS-RT | 50 Mbps | 100 Mbps |

(D)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)** (T)

a. (Continued):

(2) Ethernet Virtual Circuit (EVC)

For customers who order the ERS Service Type with a Standard Access Line, a monthly rate will apply on a per EVC bandwidth basis. ERS-Std is the only EVC class available with the ERS Standard Access Line. The EVC bandwidth must be equal to the bandwidth of the lowest speed of the end points it is connecting. ERS-Std EVCs are purchased on a month-to-month basis. A non-recurring setup charge will apply per ERS-Std EVC. (C)(M) (C)(M)

For customers who order the Premier Access Line, a monthly rate will apply on a service class and EVC bandwidth basis. Premier Access Line customers have the choice of combining ERS-B, ERS - PD, and/or ERS-RT bandwidth on an EVC. A non-recurring setup charge will apply per ERS EVC. EVCs are purchased on a month-to-month basis. A customer may have more than one service class on the EVC, but will only pay one EVC non-recurring setup charge. (N)

The number of EVCs permitted on each Standard Access Line and/or Premier Access Line are limited as follows:

10 Mbps less than or = to 2 EVCs
100 Mbps less than or = to 10 EVCs
1000 Mbps less than or = to 75 EVCs

ERS EVC bandwidth is limited to a maximum Mbps per Service Class per EVC, and must comply with each of the following maximum limits:

| EVC Service Class | 100 Mbps UNI Max/EVC | 1000 Mbps UNI Max/EVC |
|---|---|---|
| ERS-B | 100 Mbps | 1000 Mbps |
| ERS-PD | 50 Mbps | 500 Mbps |
| ERS-RT | 50 Mbps | 100 Mbps |

(N)

(M) Some material now appearing on this page previously appeared on Page 100. (N)

VERIZON SOUTH INC.
SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued)

(3) Interoffice Mileage

The Interoffice Mileage charge is based on the Per Mile charge multiplied by the distance between the Customer's serving central office and the nearest TLS equipped central office (a central office equipped with a switch, node, or other Company equipment capable of delivering service, via a shared fiber path or network infra-structure). This interoffice distance is measured in airline miles, based upon latitude and longitude of each central office. The mileage measurement is calculated as specified by NECA Tariff FCC No. 4. The mileage rate applies on a per mile basis. This charge applies in addition to the applicable rates and charges for Standard Access Line, Protected Access Line, or Premier Access Line. Optical Protected interoffice transport is available for the 1000M UNI speed. The protected transport option for 10/100MBPS, Protected Non-Diverse and Protected Diverse, UNI speeds includes optical protected interoffice transport when needed. (C) | (C)

(4) Domain/LAN Extension Equipment Changes

Customer requests for changes in Domains and replacement of LAN extension equipment will be charged a nonrecurring charge per location per change.

(5) Optional Features

(a) Customer Service Management (CSM)

Customer Service Management (CSM) is an optional feature that provides customers with web-based reports. These reports give the customer the ability to extract "read-only" network traffic information regarding their networks thereby allowing customers to monitor and manage their network performance. CSM is provided per customer Domain/VLAN.

CSM will be provided where conditions and facilities permit.

The Company reserves the right to temporarily interrupt CSM for maintenance, software upgrades, and in emergency situations.

A monthly rate and a nonrecurring charge apply for each CSM arrangement. The customer will be charged on a per Domain/VLAN basis. The nonrecurring charge applies in addition to all other applicable service charges.

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued)

(3) Interoffice Mileage

The Interoffice Mileage charge is based on the Per Mile charge multiplied by the distance between the Customer's serving central office and the nearest TLS equipped central office (a central office equipped with a switch, node, or other Company equipment capable of delivering service, via a shared fiber path or network infra-structure). This interoffice distance is measured in airline miles, based upon latitude and longitude of each central office. The mileage measurement is calculated as specified by NECA Tariff FCC No. 4. The mileage rate applies on a per mile basis. This charge applies in addition to the applicable rates and charges for Standard Access Line, Protected Access Line, or Premier Access Line. Optical Protected interoffice transport is available for the 1000M UNI speed. (C) | (C)

(4) Domain/LAN Extension Equipment Changes

Customer requests for changes in Domains and replacement of LAN extension equipment will be charged a nonrecurring charge per location per change.

(5) Optional Features

(a) Customer Service Management (CSM)

Customer Service Management (CSM) is an optional feature that provides customers with web-based reports. These reports give the customer the ability to extract "read-only" network traffic information regarding their networks thereby allowing customers to monitor and manage their network performance. CSM is provided per customer Domain/VLAN.

CSM will be provided where conditions and facilities permit.

The Company reserves the right to temporarily interrupt CSM for maintenance, software upgrades, and in emergency situations.

A monthly rate and a nonrecurring charge apply for each CSM arrangement. The customer will be charged on a per Domain/VLAN basis. The nonrecurring charge applies in addition to all other applicable service charges.

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued)

(D)

(D)

(3) Interoffice Mileage (T)

The Interoffice Mileage charge is based on the Per Mile charge multiplied by the distance between the Customer's serving central office and the nearest TLS equipped central office (a central office equipped with a switch, node, or other Company equipment capable of delivering service, via a shared fiber path or network infra-structure). This interoffice distance is measured in airline miles, based upon latitude and longitude of each central office. The mileage measurement is calculated as specified by NECA Tariff FCC No. 4. The mileage rate applies on a per mile basis. This charge applies in addition to the applicable rates and charges for the TLS Access Line. (C) | (C)

(4) Domain/LAN Extension Equipment Changes (T)

Customer requests for changes in Domains and replacement of LAN extension equipment will be charged a nonrecurring charge per location per change.

(5) Optional Features (T)

(a) Customer Service Management (CSM)

Customer Service Management (CSM) is an optional feature that provides customers with web-based reports. These reports give the customer the ability to extract "read-only" network traffic information regarding their networks thereby allowing customers to monitor and manage their network performance. CSM is provided per customer Domain/VLAN.

CSM will be provided where conditions and facilities permit.

The Company reserves the right to temporarily interrupt CSM for maintenance, software upgrades, and in emergency situations.

A monthly rate and a nonrecurring charge apply for each CSM arrangement. The customer will be charged on a per Domain/VLAN basis. The nonrecurring charge applies in addition to all other applicable service charges.

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.4 Application of Rates and Charges (Continued)**

a. (Continued)

(3) Protected Access Line (PAL)

Protected Access Lines (available for EMS Service Type Only) –A monthly rate applies on a per line basis, based on the speed of the access connection (i.e., 100 MBPS and 1000MBPS). The Protected Access Line is offered on a month-to-month basis, or as a three-year or five-year Term Commitment Plan. A nonrecurring charge will apply to the installation of a Protected Access Line provided on a month-to-month basis.

(4) Interoffice Mileage

The Interoffice Mileage charge is based on the Per Mile charge multiplied by the distance between the Customer's serving central office and the nearest TLS equipped central office. This interoffice distance is measured in airline miles, based upon latitude and longitude of each central office. The mileage measurement is calculated as specified by NECA Tariff FCC No. 4. The mileage rate applies on a per mile basis. This charge applies in addition to the applicable rates and charges for the TLS Access Line.

(5) Domain/LAN Extension Equipment Changes

Customer requests for changes in Domains and replacement of LAN extension equipment will be charged a nonrecurring charge per location per change.

(6) Optional Features

(a) Customer Service Management (CSM)

Customer Service Management (CSM) is an optional feature that provides customers with web-based reports. These reports give the customer the ability to extract "read-only" network traffic information regarding their networks thereby allowing customers to monitor and manage their network performance. CSM is provided per customer Domain/VLAN.

CSM will be provided where conditions and facilities permit.

The Company reserves the right to temporarily interrupt CSM for maintenance, software upgrades, and in emergency situations.

A monthly rate and a nonrecurring charge apply for each CSM arrangement. The customer will be charged on a per Domain/VLAN basis. The nonrecurring charge applies in addition to all other applicable service charges. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

b. Minimum Period

The minimum period for TLS under the month-to-month plan is nine months. For example, if the customer discontinues the service in the seventh month, the customer will be billed the full monthly rate for the remaining two months. The regulations applicable to TLS provided under a Term Payment Plan are specified in S10.8.5 following.

c. Term Commitment Plans

The TLS Standard Protected and Premier Line are offered under a three-(3) or five-(5) year Term Payment Plan. Termination charges will apply if the service is disconnected before the expiration of the term commitment as set forth in S10.8.5 following. (C)

d. Moves and Changes

When the customer requests a move or relocation of the Standard Access Line, Protected Access Line, Premier Access Line or EMS Real Time Access Line to a different address and/or different building, the move or relocation will be treated as a termination of the existing service and the establishment of a new service with the application of all installation charges.

When the customer requests an upgrade in service speed, or change in service type, at an existing address, the upgrade in service speed/change in service type will be treated as a termination of the existing service and the establishment of a new service with the application of all charges.

e. ICBs

ICBs - TLS may be offered on an individual case basis at rates, charges, terms and conditions, as specified on a contract basis. The contract, except as otherwise expressly specified, will be subject to all applicable terms and conditions set forth in this Tariff and other applicable Company Tariffs.

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.4 Application of Rates and Charges (Continued)**

b. Minimum Period

The minimum period for TLS under the month-to-month plan is nine months. For example, if the customer discontinues the service in the seventh month, the customer will be billed the full monthly rate for the remaining two months. The regulations applicable to TLS provided under a Term Payment Plan are specified in S10.8.5 following. (C) | (C)

c. Term Commitment Plans (T)

The TLS Standard Access Line and Protected Access Line are offered under a three-(3) or five-(5) year Term Payment Plan. Termination charges will apply if the service is disconnected before the expiration of the term commitment as set forth in S10.8.5 following.

d. Moves and Changes

When the customer requests a move or relocation of the Standard Access Line, Protected Access Line, Premier Access Line or EMS Real Time Access Line to a different address and/or different building, the move or relocation will be treated as a termination of the existing service and the establishment of a new service with the application of all installation charges. (C)

When the customer requests an upgrade in service speed, or change in service type, at an existing address, the upgrade in service speed/change in service type will be treated as a termination of the existing service and the establishment of a new service with the application of all charges. (C)

e. ICBs

ICBs - TLS may be offered on an individual case basis at rates, charges, terms and conditions, as specified on a contract basis. The contract, except as otherwise expressly specified, will be subject to all applicable terms and conditions set forth in this Tariff and other applicable Company Tariffs.

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.4 Application of Rates and Charges (Continued)**

b. Minimum Period

The minimum period for TLS under the month-to-month plan is nine months. The regulations applicable to TLS provided under a Term Payment Plan are specified in S10.8.5 following.

c. Term Payment Plans

The TLS Standard Access Line and Protected Access Line are offered under a three-(3) or five-(5) year Term Payment Plan. Termination charges will apply if the service is disconnected before the expiration of the term commitment as set forth in S10.8.5 following.

d. Moves and Changes

When the customer requests a move or relocaton of the TLS Standard Access Line or a Protected Access Line to a different address and/or different building, the move or relocation will be treated as a termination of the existing service and the establishment of a new service for the application of charges.

e. ICBs

ICBs - TLS may be offered on an individual case basis at rates, charges, terms and conditions, as specified on a contract basis. The contract, except as otherwise expressly specified, will be subject to all applicable terms and conditions set forth in this Tariff and other applicable Company Tariffs. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8** **Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.5 Termination Liability**

In the event the service is terminated by the Customer prior to completion of the current term commitment period, the Customer shall be liable for an early termination charge, except as noted below. The amount of the early termination charge will be 25% of the monthly recurring charge(s) (MRC) for the remainder of the term. For example:

25% X MRC X # of Lines/Channels/Paths X Remainder of Term = Termination Charge

Early termination charges will apply only to those rate elements under a term commitment period. If any rates for the service are increased during the term period, exclusive of any increase due to local, state or federal fees, taxes or surcharges, the Customer may terminate the service without incurring an early termination charge.

End of Term Options

Prior to the end of the term commitment period, the Customer may select one of the following options, to be effective at the end of the term:

Renew their term commitment,

Commit to a new term period,

Arrange for a change of service, or

Arrange for termination of the service. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.5 Termination Liability (Continued)**

In the event the Customer does not select one of the above options, the Customer will be converted to the shortest-term period available under tariff (i.e., month-to-month, etc.) for the same service, and will be subject to the applicable term commitment, if any, unless the Customer terminates the service within sixty (60) days of the conversion date.

Early termination charges will not be assessed under the following circumstances:

Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;

Customer attempts to move the existing service to a new location within the Company's service area, but the service is unavailable;

Customer renegotiates a new term commitment plan for the same service before the current term commitment expires and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment; or

Customer changes to another service, service type, or upgrades service to a higher speed or capacity under a term commitment, provided the following conditions are met: (C)

The value of the new term commitment is equal to or greater than the remaining value of the current term commitment,

The Company provides the new service via tariff or on an individual case basis (ICB), and

The order to discontinue the existing service and the order for the new or upgraded service are received by the Company at the same time.

Early termination charges will be assessed under the following circumstance:

Customer chooses to change existing term commitment plan to month-to-month.

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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.5 Termination Liability (Continued)**

In the event the Customer does not select one of the above options, the Customer will be converted to the shortest-term period available under tariff (i.e., month-to-month, etc.) for the same service, and will be subject to the applicable term commitment, if any, unless the Customer terminates the service within sixty (60) days of the conversion date.

Early termination charges will not be assessed under the following circumstances:

Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;

Customer attempts to move the existing service to a new location within the Company's service area, but the service is unavailable;

Customer renegotiates a new term commitment plan for the same service before the current term commitment expires and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment; or

Customer changes to another service or upgrades service to a higher speed or capacity under a term commitment, provided the following conditions are met:

The value of the new term commitment is equal to or greater than the remaining value of the current term commitment,

The Company provides the new service via tariff or on an individual case basis (ICB), and

The order to discontinue the existing service and the order for the new or upgraded service are received by the Company at the same time.

Early termination charges will be assessed under the following circumstance:

Customer chooses to change existing term commitment plan to month-to-month. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges**

| | Nonrecurring Charge[1] | Monthly Rate |
|---|---|---|
| UNI Port With Access Line Connection | | |
| (1) Standard Access Line, per line | | |
| Month to Month Option[2] | | |
| 10 Mbps Full duplex | 1,300.00 | 1,200.00 |
| 100 Mbps Full duplex | 1,300.00 | 2,400.00 |
| 1000 Mbps Full duplex | 1,300.00 | 4,000.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 10 Mbps Full duplex | N/A | 1,000.00 |
| 100 Mbps Full duplex | N/A | 2,000.00 |
| 1000 Mbps Full duplex | N/A | 3,500.00 |
| Five Year Term | | |
| 10 Mbps Full duplex | N/A | 900.00 |
| 100 Mbps Full duplex | N/A | 1,800.00 |
| 1000 Mbps Full duplex | N/A | 3,200.00 |
| Standard Access Line - Protected Non-Diverse, per Line | | (N) |
| Month to Month Option[2] | | |
| 10 Mbps Full duplex | 1,300.00 | 1,600.00 |
| 100 Mbps Full duplex | 1,300.00 | 2,600.00 |
| 1000 Mbps Full duplex | 1,300.00 | 9,000.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 10 Mbps Full duplex | N/A | 1,400.00 |
| 100 Mbps Full duplex | N/A | 2,400.00 |
| 1000 Mbps Full duplex | N/A | 8,000.00 |
| Five Year Term | | |
| 10 Mbps Full duplex | N/A | 1,300.00 |
| 100 Mbps Full duplex | N/A | 2,100.00 |
| 1000 Mbps Full duplex | N/A | 7,000.00 (N) |

(M)

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months.

(M) Material relocated to Page 105.0.1. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges**

| | | Nonrecurring Charge[1] | Monthly Rate | |
|---|---|---|---|---|
| a. | UNI Port With Access Line Connection | | | (N) |
| (1) | Standard Access Line, per line | | | (T) |
| | Month to Month Option[2] | | | (T) |
| | 10 Mbps Full duplex | 1,300.00 | 1,200.00 | |
| | 100 Mbps Full duplex | 1,300.00 | 2,400.00 | |
| | 1000 Mbps Full duplex | 1,300.00 | 4,000.00 | |
| | Term Commitment Plans | | | (N) |
| | Three Year Term | | | (T) |
| | 10 Mbps Full duplex | N/A | 1,000.00 | |
| | 100 Mbps Full duplex | N/A | 2,000.00 | |
| | 1000 Mbps Full duplex | N/A | 3,500.00 | |
| | Five Year Term | | | (T) |
| | 10 Mbps Full duplex | N/A | 900.00 | |
| | 100 Mbps Full duplex | N/A | 1,800.00 | |
| | 1000 Mbps Full duplex | N/A | 3,200.00 | |
| | | | | (M) |
| (2) | Protected Access Line, Per Line | | | (T) |
| | Month to Month Option[2] | | | (T) |
| | 100 Mbps | 1,300.00 | 3,600.00 | |
| | 1000 Mbps | 1,300.00 | 6,000.00 | |
| | Term Commitment Plans | | | (N) |
| | Three Year Plan | | | |
| | 100 Mbps | N/A | 3,000.00 | |
| | 1000 Mbps | N/A | 5,200.00 | |
| | Five Year Plan | | | |
| | 100 Mbps | N/A | 2,700.00 | |
| | 1000 Mbps | N/A | 4,800.00 | |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months. (N)

(M) Some material previously appearing on this page now appears on Page 105.2. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.6 Rates and Charges**

| | Nonrecurring Charge[1] | Monthly Rate |
|---|---|---|
| a. Standard Access Line, Per Line | | |
| Month to Month Plan | | |
| 10 Mbps Full duplex | 1,300.00 | 1,200.00 |
| 100 Mbps Full duplex | 1,300.00 | 2,400.00 |
| 1000 Mbps Full duplex | 1,300.00 | 4,000.00 |
| Three Year Plan | | |
| 10 Mbps Full duplex | N/A | 1,000.00 |
| 100 Mbps Full duplex | N/A | 2,000.00 |
| 1000 Mbps Full duplex | N/A | 3,500.00 |
| Five Year Plan | | |
| 10 Mbps Full duplex | N/A | 900.00 |
| 100 Mbps Full duplex | N/A | 1,800.00 |
| 1000 Mbps Full duplex | N/A | 3,200.00 |
| b. ERS Standard Ethernet Virtual | | |
| Circuit (EVC) – Per EVC | | |
| 10 Mbps | 200.00 | 50.00 |
| 100 Mbps | 200.00 | 100.00 |
| 1000 Mbps | 200.00 | 200.00 |
| c. Protected Access Line,Per Line | | |
| Month-to-Month Plan | | |
| 100 Mbps | 1,300.00 | 3,600.00 |
| 1000 Mbps | 1,300.00 | 6,000.00 |
| Three Year Plan | | |
| 100 Mbps | N/A | 3,000.00 |
| 1000 Mbps | N/A | 5,200.00 |
| Five Year Plan | | |
| 100 Mbps | N/A | 2,700.00 |
| 1000 Mbps | N/A | 4,800.00 |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.6 Rates and Charges**

| | Nonrecurring Charge[1] | Monthly Rate |
|---|---|---|
| UNI Port With Access Line Connection | | |
| (1) Standard Access Line, per line (Continued) | | |
| Standard Access Line - Protected Diverse, per Line | | |
| Month to Month Option[2] | | |
| 10 Mbps Full duplex | 1,300.00 | 1,900.00 |
| 100 Mbps Full duplex | 1,300.00 | 3,000.00 |
| 1000 Mbps Full duplex | 1,300.00 | 9,500.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 10 Mbps Full duplex | N/A | 1,800.00 |
| 100 Mbps Full duplex | N/A | 2,800.00 |
| 1000 Mbps Full duplex | N/A | 8,500.00 |
| Five Year Term | | |
| 10 Mbps Full duplex | N/A | 1,700.00 |
| 100 Mbps Full duplex | N/A | 2,500.00 |
| 1000 Mbps Full duplex | N/A | 7,500.00 |
| Standard Access Line - Protected Private, per Line | | |
| Month to Month Option[2] | | |
| 10 Mbps Full duplex | 1,300.00 | 700.00 |
| 100 Mbps Full duplex | 1,300.00 | 900.00 |
| 1000 Mbps Full duplex | 1,300.00 | 2,600.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 10 Mbps Full duplex | N/A | 600.00 |
| 100 Mbps Full duplex | N/A | 800.00 |
| 1000 Mbps Full duplex | N/A | 2,400.00 |
| Five Year Term | | |
| 10 Mbps Full duplex | N/A | 500.00 |
| 100 Mbps Full duplex | N/A | 700.00 |
| 1000 Mbps Full duplex | N/A | 2,000.00 |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges** (M)

| | Nonrecurring Charge[1] | Monthly Rate |
|---|---|---|
| UNI Port With Access Line Connection | | |
| (2) Protected Access Line, Per Line | | |
| Month to Month Option[2] | | |
| 100 Mbps | 1,300.00 | 3,600.00 |
| 1000 Mbps | 1,300.00 | 6,000.00 |
| Term Commitment Plans | | |
| Three Year Plan | | |
| 100 Mbps | N/A | 3,000.00 |
| 1000 Mbps | N/A | 5,200.00 |
| Five Year Plan | | |
| 100 Mbps | N/A | 2,700.00 |
| 1000 Mbps | N/A | 4,800.00 |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months. (M)

(M) Some material previously appearing on this page now appears on Page 105. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges**

a. UNI Port With Access Line Connection (Continued)

| | Nonrecurring Charge[1] | Monthly Rate | |
|---|---|---|---|
| (3) Premier Access Line, per line | | | |
| Month-to-Month Option [2] | | | |
| 10 Mbps | $ 1,300.00 | $ 1,075.00 | |
| 100 Mbps | 1,300.00 | 1,200.00 | |
| 1000 Mbps | 1,300.00 | 2,400.00 | |
| 10 Gbps | 1,300.00 | 10,500.00 | (N) |
| Term Commitment Plans | | | |
| Three Year Term | | | |
| 10 Mbps | – | 875.00 | |
| 100 Mbps | N/A | 1,000.00 | |
| 1000 Mbps | N/A | 2,000.00 | |
| 10 Gbps | N/A | 9,000.00 | (N) |
| Five Year Term | | | |
| 10 Mbps | – | 775.00 | |
| 100 Mbps | N/A | 900.00 | |
| 1000 Mbps | N/A | 1,800.00 | |
| 10 Gbps | N/A | 8,000.00 | (N) |
| Premier Access Line - Protected Non-Diverse, per Line | | | |
| Month to Month Option[2] | | | |
| 10 Mbps Full duplex | 1,300.00 | 1,200.00 | |
| 100 Mbps Full duplex | 1,300.00 | 2,150.00 | |
| 1000 Mbps Full duplex | 1,300.00 | 9,000.00 | |
| Term Commitment Plans | | | |
| Three Year Term | | | |
| 10 Mbps Full duplex | N/A | 1,000.00 | |
| 100 Mbps Full duplex | N/A | 1,800.00 | |
| 1000 Mbps Full duplex | N/A | 8,500.00 | |
| Five Year Term | | | |
| 10 Mbps Full duplex | N/A | 850.00 | |
| 100 Mbps Full duplex | N/A | 1,600.00 | |
| 1000 Mbps Full duplex | N/A | 8,000.00 | |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months.

(D)

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SOUTH CAROLINA
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BY: Vice President
Durham, North Carolina

Second Revised Page 105.1
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges**

a. UNI Port With Access Line Connection (Continued)

| | Nonrecurring Charge[1] | Monthly Rate |
|---|---|---|
| (3) Premier Access Line, per line | | |
| Month-to-Month Option [2] | | |
| 10 Mbps | $ 1,300.00 | $ 1,075.00 |
| 100 Mbps | 1,300.00 | 1,200.00 |
| 1000 Mbps | 1,300.00 | 2,400.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 10 Mbps | – | 875.00 |
| 100 Mbps | N/A | 1,000.00 |
| 1000 Mbps | N/A | 2,000.00 |
| Five Year Term | | |
| 10 Mbps | – | 775.00 |
| 100 Mbps | N/A | 900.00 |
| 1000 Mbps | N/A | 1,800.00 |
| Premier Access Line - Protected Non-Diverse, per Line | | (N) |
| Month to Month Option[2] | | |
| 10 Mbps Full duplex | 1,300.00 | 1,200.00 |
| 100 Mbps Full duplex | 1,300.00 | 2,150.00 |
| 1000 Mbps Full duplex | 1,300.00 | 9,000.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 10 Mbps Full duplex | N/A | 1,000.00 |
| 100 Mbps Full duplex | N/A | 1,800.00 |
| 1000 Mbps Full duplex | N/A | 8,500.00 |
| Five Year Term | | |
| 10 Mbps Full duplex | N/A | 850.00 |
| 100 Mbps Full duplex | N/A | 1,600.00 |
| 1000 Mbps Full duplex | N/A | 8,000.00 (N) |

(M)

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months.

(M) Material relocated to Page 150.1.2. (N)

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SOUTH CAROLINA
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges**

a. UNI Port With Access Line Connection (Continued)

| | Nonrecurring Charge[1] | Monthly Rate | |
|---|---|---|---|
| (3) Premier Access Line, per line | | | |
| Month-to-Month Option [2] | | | |
| 10 Mbps | $ 1,300.00 | $ 1,075.00 | (C) |
| 100 Mbps | 1,300.00 | 1,200.00 | |
| 1000 Mbps | 1,300.00 | 2,400.00 | |
| Term Commitment Plans | | | |
| Three Year Term | | | |
| 10 Mbps | – | 875.00 | (C) |
| 100 Mbps | N/A | 1,000.00 | |
| 1000 Mbps | N/A | 2,000.00 | |
| Five Year Term | | | |
| 10 Mbps | – | 775.00 | (C) |
| 100 Mbps | N/A | 900.00 | |
| 1000 Mbps | N/A | 1,800.00 | |
| (4) EMS - Real Time Access Line, per line | | | |
| Month-to-Month Option [2] | | | |
| 100 Mbps | 1,300.00 | 2,500.00 | |
| 1000 Mbps | 1,300.00 | 4,500.00 | |
| Term Commitment Plans | | | |
| Three Year Term | | | |
| 100 Mbps | N/A | 2,100.00 | |
| 1000 Mbps | N/A | 4,000.00 | |
| Five Year Term | | | |
| 100 Mbps | N/A | 1,900.00 | |
| 1000 Mbps | N/A | 3,700.00 | |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months.

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.6 Rates and Charges**

b. UNI Port With Access Line Connection (Continued)

| | Nonrecurring Charge[1] | Monthly Rate |
|---|---|---|
| (3) Premier Access Line, per line | | |
| Month-to-Month Option [2] | | |
| 100 Mbps | 1,300.00 | 1,200.00 |
| 1000 Mbps | 1,300.00 | 2,400.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 100 Mbps | N/A | 1,000.00 |
| 1000 Mbps | N/A | 2,000.00 |
| Five Year Term | | |
| 100 Mbps | N/A | 900.00 |
| 1000 Mbps | N/A | 1,800.00 |
| (4) EMS - Real Time Access Line, per line | | |
| Month-to-Month Option [2] | | |
| 100 Mbps | 1,300.00 | 2,500.00 |
| 1000 Mbps | 1,300.00 | 4,500.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 100 Mbps | N/A | 2,100.00 |
| 1000 Mbps | N/A | 4,000.00 |
| Five Year Term | | |
| 100 Mbps | N/A | 1,900.00 |
| 1000 Mbps | N/A | 3,700.00 |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.6 Rates and Charges**

a. UNI Port With Access Line Connection (Continued)

| | Nonrecurring Charge[1] | Monthly Rate |
|---|---|---|
| (3) Premier Access Line, per line (Continued) | | |
| Premier Access Line - Protected Diverse, per Line | | |
| Month to Month Option[2] | | |
| 10 Mbps Full duplex | 1,300.00 | 1,200.00 |
| 100 Mbps Full duplex | 1,300.00 | 2,150.00 |
| 1000 Mbps Full duplex | 1,300.00 | 9,000.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 10 Mbps Full duplex | N/A | 1,000.00 |
| 100 Mbps Full duplex | N/A | 1,800.00 |
| 1000 Mbps Full duplex | N/A | 8,500.00 |
| Five Year Term | | |
| 10 Mbps Full duplex | N/A | 850.00 |
| 100 Mbps Full duplex | N/A | 1,600.00 |
| 1000 Mbps Full duplex | N/A | 8,000.00 |
| Premier Access Line - Protected Private, per Line | | |
| Month to Month Option[2] | | |
| 10 Mbps Full duplex | 1,300.00 | 600.00 |
| 100 Mbps Full duplex | 1,300.00 | 700.00 |
| 1000 Mbps Full duplex | 1,300.00 | 1,700.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 10 Mbps Full duplex | N/A | 500.00 |
| 100 Mbps Full duplex | N/A | 600.00 |
| 1000 Mbps Full duplex | N/A | 1,550.00 |
| Five Year Term | | |
| 10 Mbps Full duplex | N/A | 400.00 |
| 100 Mbps Full duplex | N/A | 500.00 |
| 1000 Mbps Full duplex | N/A | 1,400.00 |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges**

UNI Port With Access Line Connection (Continued)

| | Nonrecurring Charge[1] | Monthly Rate | |
|---|---|---|---|
| (4) EMS - Real Time Access Line, per line | | | (M) |
| Month-to-Month Option [2] | | | |
| 100 Mbps | 1,300.00 | 2,500.00 | |
| 1000 Mbps | 1,300.00 | 4,500.00 | |
| Term Commitment Plans | | | |
| Three Year Term | | | |
| 100 Mbps | N/A | 2,100.00 | |
| 1000 Mbps | N/A | 4,000.00 | |
| Five Year Term | | | |
| 100 Mbps | N/A | 1,900.00 | |
| 1000 Mbps | N/A | 3,700.00 | (M) |
| EMS – Real Time Access Line - Protected Non-Diverse, per Line | | | (N) |
| Month to Month Option[2] | | | |
| 100 Mbps Full duplex | 1,300.00 | 2,700.00 | |
| 1000 Mbps Full duplex | 1,300.00 | 11,000.00 | |
| Term Commitment Plans | | | |
| Three Year Term | | | |
| 100 Mbps Full duplex | N/A | 2,500.00 | |
| 1000 Mbps Full duplex | N/A | 10,000.00 | |
| Five Year Term | | | |
| 100 Mbps Full duplex | N/A | 2,300.00 | |
| 1000 Mbps Full duplex | N/A | 9,000.00 | |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months. (N)

(M) Material relocated from Page 105.1 (N)

## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges** (N)

UNI Port With Access Line Connection (Continued)

| | Nonrecurring Charge[1] | Monthly Rate |
|---|---|---|
| (4) EMS - Real Time Access Line, per line (Continued) | | |
| EMS Real Time Access Line - Protected Diverse, per Line | | |
| Month to Month Option[2] | | |
| 100 Mbps Full duplex | 1,300.00 | 3,250.00 |
| 1000 Mbps Full duplex | 1,300.00 | 10,000.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 100 Mbps Full duplex | N/A | 3,000.00 |
| 1000 Mbps Full duplex | N/A | 9,000.00 |
| Five Year Term | | |
| 100 Mbps Full duplex | N/A | 2,750.00 |
| 1000 Mbps Full duplex | N/A | 8,500.00 |
| EMS Real Time Access Line - Protected Private, per Line | | |
| Month to Month Option[2] | | |
| 100 Mbps Full duplex | 1,300.00 | 950.00 |
| 1000 Mbps Full duplex | 1,300.00 | 2,700.00 |
| Term Commitment Plans | | |
| Three Year Term | | |
| 100 Mbps Full duplex | N/A | 850.00 |
| 1000 Mbps Full duplex | N/A | 2,500.00 |
| Five Year Term | | |
| 100 Mbps Full duplex | N/A | 750.00 |
| 1000 Mbps Full duplex | N/A | 2,100.00 |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 The minimum subscription period for the Month-to-Month Option is nine months. (N)

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SOUTH CAROLINA
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.6 Rates and Charges**

c. ERS Standard Ethernet Virtual Circuit, per EVC

| | | Nonrecurring Charge[1] | Monthly Rate | |
|---|---|---|---|---|
| (1) | ERS EVC Setup, per EVC | $ 200.00 | N/A | (N) |
| (2) | ERS EVC Standard (ERS-Std), per EVC | | | |
| | 10 Mbps | N/A | $ 50.00 | (M)(C) |
| | 100 Mbps | N/A | 100.00 | \| \| |
| | 1000 Mbps | N/A | 200.00 | (M)(C) |
| (3) | ERS EVC Basic (ERS-B) Bandwidth, per Class | | | (N) |
| | 1 Mbps | N/A | 15.00 | |
| | 2 Mbps | N/A | 30.00 | |
| | 3 Mbps | N/A | 45.00 | |
| | 4 Mbps | N/A | 60.00 | |
| | 5 Mbps | N/A | 75.00 | |
| | 6 Mbps | N/A | 90.00 | |
| | 7 Mbps | N/A | 105.00 | |
| | 8 Mbps | N/A | 120.00 | |
| | 9 Mbps | N/A | 135.00 | |
| | 10 Mbps | N/A | 150.00 | |
| | 20 Mbps | N/A | 300.00 | |
| | 30 Mbps | N/A | 450.00 | |
| | 40 Mbps | N/A | 600.00 | |
| | 50 Mbps | N/A | 750.00 | |
| | 60 Mbps | N/A | 850.00 | |
| | 70 Mbps | N/A | 950.00 | |
| | 80 Mbps | N/A | 1,050.00 | |
| | 90 Mbps | N/A | 1,150.00 | |
| | 100 Mbps | N/A | 1,250.00 | |
| | 200 Mbps | N/A | 1,350.00 | |
| | 300 Mbps | N/A | 1,450.00 | |
| | 400 Mbps | N/A | 1,550.00 | |
| | 500 Mbps | N/A | 1,650.00 | |
| | 600 Mbps | N/A | 1,740.00 | |
| | 700 Mbps | N/A | 1,830.00 | |
| | 800 Mbps | N/A | 1,920.00 | |
| | 900 Mbps | N/A | 2,010.00 | |
| | 1000 Mbps | N/A | 2,100.00 | |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.

(M) Some material now appearing on this page previously appeared on Page 105. (N)

VERIZON SOUTH INC.
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.6 Rates and Charges**

b. ERS Standard Ethernet Virtual Circuit, per EVC (Continued)

| | Nonrecurring Charge | Monthly Rate |
|---|---|---|
| (4) ERS EVC Priority Data (ERS-PD) Bandwidth, per Class | | |
| 1 Mbps | N/A | 40.00 |
| 2 Mbps | N/A | 80.00 |
| 3 Mbps | N/A | 120.00 |
| 4 Mbps | N/A | 160.00 |
| 5 Mbps | N/A | 200.00 |
| 6 Mbps | N/A | 220.00 |
| 7 Mbps | N/A | 240.00 |
| 8 Mbps | N/A | 260.00 |
| 9 Mbps | N/A | 280.00 |
| 10 Mbps | N/A | 300.00 |
| 20 Mbps | N/A | 600.00 |
| 30 Mbps | N/A | 900.00 |
| 40 Mbps | N/A | 1,200.00 |
| 50 Mbps | N/A | 1,500.00 |
| 60 Mbps | N/A | 1,720.00 |
| 70 Mbps | N/A | 1,940.00 |
| 80 Mbps | N/A | 2,100.00 |
| 90 Mbps | N/A | 2,300.00 |
| 100 Mbps | N/A | 2,500.00 |
| 200 Mbps | N/A | 2,700.00 |
| 300 Mbps | N/A | 2,900.00 |
| 400 Mbps | N/A | 3,100.00 |
| 500 Mbps | N/A | 3,300.00 (N) |

VERIZON SOUTH INC.
SOUTH CAROLINA
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Durham, North Carolina

Original Page 105.4
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.6 Rates and Charges**

b. ERS Standard Ethernet Virtual Circuit, per EVC (Continued)

| | Nonrecurring Charge | Monthly Rate |
|---|---|---|
| (5) ERS EVC Real Time (ERS-RT) Bandwidth, per Class | | |
| 1 Mbps | N/A | 120.00 |
| 2 Mbps | N/A | 240.00 |
| 3 Mbps | N/A | 360.00 |
| 4 Mbps | N/A | 480.00 |
| 5 Mbps | N/A | 600.00 |
| 6 Mbps | N/A | 660.00 |
| 7 Mbps | N/A | 720.00 |
| 8 Mbps | N/A | 780.00 |
| 9 Mbps | N/A | 840.00 |
| 10 Mbps | N/A | 900.00 |
| 20 Mbps | N/A | 1,175.00 |
| 30 Mbps | N/A | 1,450.00 |
| 40 Mbps | N/A | 1,725.00 |
| 50 Mbps | N/A | 2,000.00 |
| 60 Mbps | N/A | 2,200.00 |
| 70 Mbps | N/A | 2,400.00 |
| 80 Mbps | N/A | 2,600.00 |
| 90 Mbps | N/A | 2,800.00 |
| 100 Mbps | N/A | 3,000.00 (N) |

VERIZON SOUTH INC.
SOUTH CAROLINA
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges (Continued)**

| | | Nonrecurring Charge[1] | Monthly Rate | |
|---|---|---|---|---|
| c. | Interoffice Mileage, per line[2] | | | |
| | Per Mile | N/A | 100.00 | |
| | Per Optical Protected Mile (1000M Only) | N/A | 750.00 | |
| | Protected Non-Diverse and | | | (N) |
| | Protected Diverse only | | | (N) |
| d. | TLS Domain/LAN Extension Equipment Changes | | | |
| | Per Change | 400.00 | N/A | |
| e. | Optional Features | | | |
| | Customer Service Management (CSM), | | | |
| | Per Domain/VLAN | 350.00 | 150.00 | |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 Applies in addition to applicable rates and charges for TLS Access Line.

VERIZON SOUTH INC.
SOUTH CAROLINA
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Second Revised Page 106
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges (Continued)**

| | | Nonrecurring Charge[1] | Monthly Rate | |
|---|---|---|---|---|
| c. | Interoffice Mileage, per line[2] | | | |
| | Per Mile | N/A | 100.00 | |
| | Per Optical Protected Mile (1000M Only) | N/A | 750.00 | (N) |
| d. | TLS Domain/LAN Extension Equipment Changes | | | |
| | Per Change | 400.00 | N/A | |
| e. | Optional Features | | | |
| | Customer Service Management (CSM), | | | |
| | Per Domain/VLAN | 350.00 | 150.00 | |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 Applies in addition to applicable rates and charges for TLS Access Line.

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SOUTH CAROLINA
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.6 Rates and Charges (Continued)**

| | | Nonrecurring Charge[1] | Monthly Rate | |
|---|---|---|---|---|
| c. | Interoffice Mileage, per line[2] | | | (T) |
| | Per Mile | N/A | 100.00 | |
| d. | TLS Domain/LAN Extension Equipment Changes | | | (T) |
| | Per Change | 400.00 | N/A | |
| e. | Optional Features | | | (T) |
| (1) | Customer Service Management (CSM), | | | |
| | Per Domain/VLAN | 350.00 | 150.00 | |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 Applies in addition to applicable rates and charges for TLS Access Line.

## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.6 Rates and Charges (Continued)**

| | | Nonrecurring Charge[1] | Monthly Rate |
|---|---|---|---|
| d. | Interoffice Mileage, per line[2] | | |
| | Per Mile | N/A | 100.00 |
| e. | TLS Domain/LAN Extension Equipment Changes | | |
| | Per Change | 400.00 | N/A |
| f. | Optional Features | | |
| (2) | Customer Service Management (CSM), | | |
| | Per Domain/VLAN | 350.00 | 150.00 |

Note 1 Applies in lieu of service charges found elsewhere in this Tariff or other Company Tariffs.
Note 2 Applies in addition to applicable rates and charges for TLS Access Line. (N)

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SOUTH CAROLINA
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Durham, North Carolina

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)**

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

2. Network Performance SLAs

Network Performance SLA applies to all Customers subscribing to an EVC Class of Service (CoS) within a local network consisting of the following types:

– Real Time EVC bandwidth CoS, and

– Priority Data EVC bandwidth CoS.

– All other EVCs do not qualify for Network performance SLAs. (N)

The performance SLA is hierarchical in nature and statistically-based, conformance is determined on a Met or Missed basis, first on a per-hour basis and then on a per-month conformance basis.

**Per-Hour Conformance** - For each hour in the month, a determination is made as to whether the performance objectives are 'Met' for the CoS attributes related to the CoS instance on a given EVC. For a given Hour (e.g., H1), the overall performance objective is 'Met' if the performance objectives for each of the Data Delivery Ratio (DDR), Round Trip Delay (RTD), and Jitter, attributes are 'Met'. If any of the attribute objectives are 'Missed', then the overall performance objective for Hour (H1) is determined to be 'Missed'.

**Per-Month Conformance** - For the month, a determination is made as to the percentage of hours that the overall performance objective is 'Met'. So, for a given Month (e.g., M1), the monthly performance guarantee is 'Met' if the % of hours 'Met' for the month meet or exceed the monthly objective.

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SOUTH CAROLINA
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Original Page 99.5
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

2. Network Performance SLAs

Network Performance SLA applies to all Customers subscribing to an EVC Class of Service (CoS) within a local network consisting of the following types:

– Real Time EVC bandwidth CoS, and

– Priority Data EVC bandwidth CoS.

The performance SLA is hierarchical in nature and statistically-based, conformance is determined on a Met or Missed basis, first on a per-hour basis and then on a per-month conformance basis.

**Per-Hour Conformance** - For each hour in the month, a determination is made as to whether the performance objectives are 'Met' for the CoS attributes related to the CoS instance on a given EVC. For a given Hour (e.g., H1), the overall performance objective is 'Met' if the performance objectives for each of the Data Delivery Ratio (DDR), Round Trip Delay (RTD), and Jitter, attributes are 'Met'. If any of the attribute objectives are 'Missed', then the overall performance objective for Hour (H1) is determined to be 'Missed'.

**Per-Month Conformance** - For the month, a determination is made as to the percentage of hours that the overall performance objective is 'Met'. So, for a given Month (e.g., M1), the monthly performance guarantee is 'Met' if the % of hours 'Met' for the month meet or exceed the monthly objective. (N)

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SOUTH CAROLINA
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Durham, North Carolina

Original Page 99.6
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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

2. Network Performance SLAs (Continued)

EVC Class of Service Network Performance SLA shall be based on the following Ethernet frame traffic criteria:

(a) Data Delivery Ratio (DDR)

DDR is defined as the ratio of service frames successfully received from the network relative to the number of service frames offered to the network. The DDR definition is restricted to service frames that are compliant to the subscribed Committed Information Rate (CIR) profile. Interruptions caused by MTTR activity shall be excluded from the measurement of DDR.

Real Time EVC Bandwidth - Data Delivery Ratio

The Telephone Company threshold for Data Delivery Ratio is 99.5% in a calendar month.

Real Time EVC Bandwidth - Data Delivery SRCs

If the overall Data Delivery measurement does not meet the per month conformance then the Telephone Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month.

Priority Data EVC Bandwidth - Data Delivery Ratio

The Telephone Company threshold for Data Delivery Ratio is 99% in a calendar month.

Priority Data EVC Bandwidth - Data Delivery SRCs

If the overall Data Delivery measurement does not meet the per month conformance then the Telephone Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

2. Network Performance SLAs (Continued)

(b) Round Trip Delay (RTD)

RTD is defined as the time (in milliseconds) it takes for a service frame to be sent from one UNI to another UNI and back again (includes link insertion delays, propagation delays and queuing delays in the network). The RTD calculation includes only the time the packet is in the network, i.e., the processing time spent in devices attached to the UNI are factored out of the definition. The RTD definition is restricted to service frames that are compliant to the subscribed CIR profile.

Real Time EVC Bandwidth - Delay Measurement

The Telephone Company threshold for Delay is 20 milliseconds.

Real Time EVC Bandwidth - Delay SRCs

If the overall delay measurement does not meet the per month conformance then the Telephone Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month.

Priority Data EVC Bandwidth - Delay Measurement

The Telephone Company threshold for Delay is 50 milliseconds.

Priority Data EVC Bandwidth - Delay SRCs

If the overall delay measurement does not meet the per month conformance then the Telephone Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

2. Network Performance SLAs (Continued)

(c) Jitter

Jitter is defined as the variance in frame delay (in milliseconds) between two service frames as measured at the ingress and egress UNIs. The jitter definition is restricted service frames that are compliant to the subscribed CIR profile.

Real Time EVC Bandwidth - Jitter Measurement

The Telephone Company threshold for Delay is 5 milliseconds.

Real Time EVC Bandwidth - Jitter SRC

If the overall jitter measurement does not meet the per month conformance then the Telephone Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month.

3. Validation for Operational and Network Performance SLAs

(a) Customer Validation

Operational SLAs:

The Customer must submit in writing a list of all rate elements, impacted circuit/connection identification numbers and the type of SRC requested for each circuit/connection. The written request for credit must be submitted to the appropriate Telephone Company entity in the manner prescribed by the Telephone Company. (N)

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## S10. DIGITAL NETWORK SERVICES

**S10.8 Transparent LAN Service (TLS) (Continued)** (N)

**S10.8.3 Conditions (Continued)**

n. Service Level Agreements (SLA) (Continued)

3. Validation for Operational and Network Performance SLAs (Continued)

(a) Customer Validation (Continued)

Network Performance SLAs:

The Customer must request SRCs for Network Performance SLAs and may submit in support of such request its own measurements made by industry-standard network performance measuring equipment. Such equipment shall be subject to prior approval by the Telephone Company and be capable of the following:

**For the DDR SLA**, the equipment must be capable of determining the number of actual packets sent and successfully received between two (2) Customer locations.

**For the RTD SLA**, the equipment must be capable of measuring the transmission of a series of 128-byte time-stamped packets to a measurement system from one Customer location to another Customer location. The measurement systems must be time-synchronized by using a network based timing source that uses Greenwich Mean Time (GMT).

**For the Jitter SLA**, the equipment must be capable of measuring the transmission of a series of at least fifty (50), 128-byte time stamped packets at a fixed interval between each packet from one Customer location to a measurement system at another Customer location. The measurement systems must be time-synchronized by using a network based timing source that uses Greenwich Mean Time (GMT).

All equipment must be capable of measuring from edge to edge (Customer Premises Equipment (CPE) to CPE) and to make the measurement every five (5) minutes per hour for four (4) hours total per day, for a total of two-hundred and forty (240) measures per day. In order to be considered, such measurements must include at least seven consecutive days' worth of measurements for four (4) hours per day.

(b) Telephone Company Validation

The Telephone Company will research and validate the Customer-submitted SRC in accordance with its own procedures and systems. The Telephone Company may, at its discretion, use either the Customer-provided data or its own measurement data (or above mentioned formulas) to evaluate and assess whether SRCs are warranted. (N)