

**Service Catalog
Frontier Service Area - Resale**

The services contained in this document are for those exchanges not served by TSC's facilities. Please see Tariff No. 3 for additional information.

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GENERAL RULES AND REGULATIONS

GENERAL APPLICATION

The rules and regulations set out in this Service Catalog apply to the services and associated facilities furnished by the Company within its operating territory in the serving area listed in this Service Catalog.

Failure on the part of any customer to observe these rules and regulations of this Service Catalog gives the Company the right to cancel all contracts and discontinue the furnishing of service.

Approval of limitation of liability language by the PUCO does not constitute a determination by the Commission that the limitation of liability imposed by the company should be upheld in a court of law. Approval by the Commission merely recognizes that since it is a court's responsibility to adjudicate negligence and consequent damage claims, it is also the court's responsibility to determine the validity of the exculpatory clause.

ESTABLISHING SERVICE

Availability of Facilities

- A. The rates and charges quoted in this Service Catalog provide for the furnishing of service and facilities where suitable facilities are available.
- B. The Company shall not be liable for failure to furnish service where facilities are not available.
- C. When service and facilities are provided in part by the Company and in part by other connecting companies the regulations of the Company apply to that portion of the service and facilities furnished by the Company.

Application for Service

- A. Applications for service or requests or orders by the Customer for additional services or facilities may be made orally, or in writing when deemed necessary by the Company, and shall constitute a contract when accepted by authorized employees or agents of the Company, or upon establishment of service.
- B. An applicant may be required to make an advance payment at the time the application is accepted, in cases where a deposit is not collected. The amount of the payment will be based on applicable Service Connection Charges and the first month's charges for Exchange Service. The provisions of this paragraph affect the initial payment only and regular monthly charges for service as well as billing and collection practices discussed within this Service Catalog are otherwise applicable.

Cancellation or Change in Application for Service

- A. Where the Customer cancels an application for service prior to the start of special construction, a service ordering charge applies in addition to any special engineering costs incurred.
- B. Where installation of service has been started prior to the cancellation, a Cancellation Charge equal to the Service Order Charge may apply.
- C. When a Customer requests a change in location of all or a part of the facilities covered by the application for service, or additions, rearrangements, or

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modifications of existing service prior to completion of the work involved, the Customer is also required to pay the amount of additional costs and expenses incurred by the Company in completing the work as changed.

Transfer, Assignment, or Supersedure of Service

- A. Service previously furnished to one (1) Customer may be assumed by a qualified new Customer without lapse in the rendition of service at the exact premise where service is currently rendered.
- B. The Company may require written notice of a Customer's intent to assume existing service. Any and all outstanding charges incurred by the first Customer must be paid for by the Customer assuming the service.

Minimum Service Periods

Unless otherwise specified elsewhere in this Service Catalog, the minimum service period for all services offered in this Service Catalog is one (1) month beginning on and including the day following the establishment of service. The minimum service period relates to each applicable unit of service, either on the initial or subsequent installations. For purposes of administration, each month is considered to have thirty (30) days.

FURNISHING OF SERVICE

Provision and Ownership of Service and Facilities

Service and facilities furnished by the Company on the premise of a Customer or Authorized User are the property of the Company and are provided upon the condition that such service and facilities, except as expressly provided in this Service Catalog, must be installed, relocated, and maintained by the Company. Company employees and agents may enter said premise at any reasonable hour to install, to inspect, or to repair any part of the Company's facilities on the Customer's premise, or to remove such facilities which are no longer necessary for the provision of service.

Company Facilities at Hazardous or Inaccessible Locations

- A. Where service is to be established or maintained at a location that would involve undue hazards or where accessibility is impracticable to employees of the Company, the Company may refuse to furnish such service and/or the Customer may be required to install and maintain the Company's facilities in a manner satisfactory to the Company. The Customer will reimburse the Company for any unusual costs involved.
- B. The Customer shall indemnify and hold the Company harmless from any and all loss, claims, or damage by reason of the installation and maintenance of such service and/or facilities

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Protective Equipment

- A. Protective equipment is required when a hazardous electrical environment is present at a Customer's premise and when the estimated rise in ground potential is sufficient to cause damage to Company facilities or to endanger the safety of the Company's employees or Customers. The Customer must provide the protective equipment subject to Company specifications.
- B. Other special protective equipment and/or neutralizing transformers, isolating transformers, drain coils for use in providing service to Customer's premise where there are high ground potentials, even though not required, may be provided by the Customer, subject to specifications.
- C. All equipment connected to the Company's facilities and the telecommunications network shall meet the provisions of Part 68 of the Federal Communications Commission's Rules and Regulations.

Telephone Numbers

- A. Telephone numbers are the property of the Company and are assigned to the service furnished the Customer. The Company reserves the right to change such numbers and/or the central office name associated with such numbers assigned to the Customer, whenever the Company deems it necessary to do so in the conduct of its business.
- B. The Company shall list each Customer with directory assistance except those numbers not listed at the Customer's request.
- C. Application of Residence Rates

Residence rates apply when the use of the service is of a domestic nature, provided that service is not used substantially for occupational purposes.
- D. Changes in classification between residence to business service may be made without change in telephone number if the Customer so desires.

Installation, Maintenance, and Repair of Facilities

- A. All ordinary expense of installation, maintenance, and repairs of Company equipment and facilities, unless otherwise specified in this Service Catalog, is borne by the Company. Where special conditions or requirements of the Customer involve unusual construction or installation costs, the Customer may be required to pay a reasonable proportion of such costs. In case of damage, loss, theft, or destruction of any of the Company's property due to the negligence or willful act of the Customer or other persons authorized to use the service and not due to ordinary wear and tear, the Customer shall be required to pay the actual expense incurred by the Company in connection with replacement of the property or the expense incurred in restoring it to its original condition.
- B. The Customer shall not install, disconnect, rearrange, remove, or attempt to repair any facilities owned and furnished by the Company or permit others to do so, except upon the written consent of the Company or as otherwise specified in the Company's applicable Tariffs. The Company shall have the right to charge the Customer for losses experienced as a result of unauthorized tampering.

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- C. The Customer may be billed the applicable Minimum Service Charge for each service call to the Customer's premise where off-hook condition is found. The Minimum Service Charge will be the minimum premise visit charge.

Work Performed Outside Regular Working Hours

The rates and charges specified in this Service Catalog contemplate that all work in connection with furnishing or rearranging service will be performed during regular working hours. Whenever a Customer requests that work necessarily required in the furnishing or arranging of his service be performed outside the Company's regular working hours, or that work already started should be interrupted, the Customer may be required to pay the amount of additional costs the Company incurs as a result of the Customer's special requirements, in addition to the other rates and charges specified in this Service Catalog.

Use of Service

- A. The Company may refuse to install or may terminate a Customer's service if it is located on premise that is public or semi-public in nature and is not used for the service's intended use.
- B. Services provided by the Company may not be resold by the Customer or used in any manner for which the Customer receives compensation from except as specified below:
 - 1. Services the Company provides to certified carriers at retail rates will not prohibit or impose unreasonable discriminatory conditions or anti-competitive conditions or limitations.
- C. The Customer is responsible for payment of all charges of the Company for all services ordered by the Customer, including those that are shared or resold as provided herein.

Accessories Provided by the Customer

No equipment, accessory, apparatus, circuit or device shall be attached to or connected with the Company facilities except as provided in this Service Catalog. In case any such unauthorized attachment or connection is made, the Company shall have the right to remove or disconnect the same, to suspend service during the continuance of said attachment or connection, or to disconnect service. The Customer shall be held responsible for the cost of correcting any impairment of service caused by the use of such attachments or connections and shall be billed for each service call made to his/her premises because of the use of such attachments or connections.

LIABILITY OF THE COMPANY

Service Irregularities

The liability of the Company for damages arising out of mistakes, omissions, interruptions, delays, errors, or defects in transmission, or failure or defects in facilities furnished by the Company, occurring in the course of furnishing service or other facilities and not caused by the negligence of the Company in failing to exercise reasonable supervision or to maintain proper standards of maintenance and operation, shall in no event exceed an amount of equivalent to the proportionate Local Service Charge to the

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Customer for the period of service during which such service irregularities occur and continue.

However, any such mistakes, mistakes, omissions, interruptions, delays, errors, or defects in transmission, or failure or defects in facilities furnished by the Company, which are caused or contributed to by the negligence or willful act of the Customer, Authorized User, or Joint User or which arise from the use of Customer provided premise equipment shall not result in the imposition of any liability whatsoever upon the Company.

Use of Facilities of Other Connecting Carriers

When suitable arrangements can be made, facilities of other connecting carriers may be used in conjunction with the Company's facilities in establishing connections to points not reached by those facilities. Neither this Company nor any connecting carrier participating in a service shall be liable for any act or omission of any other Company or companies furnishing a portion of such service.

Indemnifying Agreement

The Company shall be indemnified and saved harmless by the Customer against: claims for libel, slander, or the infringement of copyright arising directly or indirectly from the material transmitted over Company facilities or the use thereof.

Defacement of Premise

The Company is not liable for any defacement or damage to the premise of a Customer resulting from the furnishing of service or the installation, attachment, or removal of the facilities furnished by the Company on such premise unless such damage is created by the Company's negligence or intentional actions.

INDIVIDUAL CASE BASIS (ICB) ARRANGEMENTS

General

Arrangements will be developed on a case-by-case basis in response to bonafide requests from a Customer or Applicant to develop a competitive bid for a service offered under this Service Catalog. Rates quoted in response to such competitive requests maybe different than those specified for the services in this Service Catalog. ICB rates will be offered to the Customer or Applicant in writing and on a non-discriminatory basis. ICB rates and/or contracts will be filed with the Commission.

VERIFICATION AND EMERGENCY INTERRUPT SERVICE

General

- A. Verification
 - 1. The Company furnishes Verification Service for the purpose of aiding Customers with legitimate call completion problems. Upon request the operator will verify and provide the line status condition of a local Customer line.
 - 2. A Customer-originated request for verification of a local number other than an emergency agency number is a chargeable verification request. No charge applies if the line is out of order.
- B. Emergency Interrupt Service

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1. The Company furnishes Emergency Interrupt Service when a Customer who has originated a verification request to a line which has been found to be busy informs the operator that an urgent or emergency situation exists and requests that the operator have the busy line cleared.
2. A Customer-originated request for emergency interrupt to a local number other than an emergency agency number is a chargeable Emergency Interrupt Service.
3. The Customer shall indemnify and save the Company harmless against all claims that may arise from either party to the interrupted call or any person.

E911 SERVICE

Enhanced 911 Service (E911) is a telephone exchange communication service whereby a Public Safety Answering Point (PSAP) may receive telephone calls dialed to the telephone number 911. A monthly charge applies per line or trunk for the provision of E911 in counties equipped with E911 service. The charges for E911 are in addition to the base rates for local service as defined in Section 4.1.2. Rates for E911 are dependent upon the location of the Customer and are determined as follows:

	<u>Business</u>	<u>Residence</u>
Monthly Recurring Charge, Per line	\$ 0.24	\$ 0.24

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SERVICE CHARGES

Following are basic descriptions, regulations and rates for application of service charges. Additional descriptions, regulations and rates specific to a geographic serving area may apply and may be found on the associated Price Lists.

DEFINITIONS

Account

A Customer's record relating to his/her service or equipment billed to a telephone number. Service may be located on one (1) or more premise as long as it is part of his/her main telephone system and billed to the main telephone number.

Service Charge Elements

A. Service Order Charge

The Company's charge associated with the receipt, recording and processing of information in connection with a Customer's or Applicant's request for service to be provided to the same account, at the same time and on the same premise or continuous property.

B. Customer Premise Visit Charge

The Company's charge associated with a trip to the Customer/Applicant's premise to comply with the Customer/Applicant's request to establish service

General

- A. Service Charges are in addition to other rates and charges normally applied under this Service Catalog, and are applicable for all services furnished to the Customer as indicated throughout.
- B. The Service Charges specified in this Service Catalog are intended to cover costs incurred by the Company to establish, add to, or to rearrange service as requested by the Customer.
- C. The Service Charges in this Section are applicable to work performed during normal working hours, on days of the week other than weekends or holidays. If the Customer requests that work be performed at hours outside of the normal business hours (8:00 a.m. to 5:00 p.m.) or business week (Monday - Friday), or interrupts work once begun, an additional charge applies based on the additional costs incurred by the Company.
- D. Except as otherwise provided in this Section, all changes in location of customer's equipment or service from one (1) premise to another are treated as new service connections and the appropriate Service Charges will be applied.
- E. Payment of Service Charges may be required at the time of application for service, or upon presentation of a bill.

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- F. Service Charges are not applicable for:
1. Moves or changes required for normal maintenance and repair of the Company's service.
 2. Change or correction in billing name or address when there is not a change in responsibility and no connection, disconnection, move or change in the service.
 3. An upgrade or regrade of service for Company reasons.
 4. The connection of telephone sets or other terminal equipment when no line connection or central office access work is required.
 5. Telephone number changes for company reasons.
 6. When existing Customers disconnect their Local Exchange Access Service.
 7. Blocking access to 976 or like service, provided that the blocking is requested either at the time the telephone service is established at a new number or within sixty (60) days of the establishment of the service.

Specific Application of Service Charges

- A. Service Order Charges
1. Service Order Charges are applicable:
 - a. For requests to establish an account for initial connection of service.
 - b. For connection of additional local exchange access lines, private lines or detached access lines to an established service.
 - c. For changes and transfers of service involving a change in name and responsibility, except in the case of a surviving spouse who has established service.
 - d. For restoration of service disconnected for non-payment of telephone bills.
 - e. For subsequent requests for service, for restoration of service at the Customer's request, and for requests for change in class or grade of service.
 - f. For service ordered while that Customer has a pending service order and which requests services that cannot be included on the pending service order.

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- g. For additions, moves or changes of lines in the same building or in different buildings on the same premise

B. Customer Premise Visit Charge

1. A Premise Visit Charge is applicable when a trip to the Customer's premise is required to complete work requested by a Customer, as shown on the related Service Order.
2. Only one (1) Premise Visit Charge will apply in connection with the same service order.
3. A Premise Visit Charge is not applicable to complete disconnection of service or a change in service or facilities initiated by the Company.

TERMINATION CHARGE

General

When a Customer cancels an order for service prior to the in-service date of the order, the Customer will be responsible for the service ordering charge. In addition, the Customer will be responsible for any specialized engineering costs incurred up to the order cancellation date. Specialized engineering costs are assessed only when unusual and non-customary circumstances are involved with a specific order. If specialized engineering costs are involved, the Customer will be made aware of such costs prior to the ordering of service. If a Customer terminates services prior to the expiration of a contract, the Customer will be responsible for charges within the minimum contract period or the rules of the Fresh Look provision. Inclusion of early termination liability by the company in its tariff or a contract does not constitute a determination by the Commission that the termination liability imposed by the company is approved or sanctioned by the Commission. Customers shall be free to pursue whatever legal remedies they may have should a dispute arise

RESTORATION OF SERVICE CHARGE

General

When service is temporarily suspended for non-payment of charges, the service will be restored upon payment of past-due charges and a Restoration of Service Charge will be applied. Payment of the service charge is not required prior to the reconnection of service; however, all past-due charges must be paid prior to reconnection. If a premise visit is necessary, additional charges will apply.

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SERVICE CHARGES

A. Service Installation Charges, non-recurring

	<u>Business</u>	<u>Residence</u>
Initial Order, per occasion	\$ 39.05	\$ 32.05
Subsequent Orders	\$ 18.05	\$15.90
Central Office Charge, per line	\$ 13.10	\$ 13.10
Record Order Charge	See Subsequent Order Charge	
Outside Plant Charge	\$ 39.05	\$ 39.05
Maintenance of Service Charge		
First Quarter Hour or Fraction Thereof	\$ 35.75	\$ 35.75
Each Add'l Quarter Hour Or Fraction Thereof	\$ 9.15	\$ 9.15
B. Premise Visit Charge	\$ 9.20	\$ 9.20
C. PIC Change Charge: IntraLATA and InterLATA		

Per business or residence line, trunk, or port:

Manual Process	\$5.50
Electronic Process	\$1.25

If a subscriber changes both the IntraLATA and InterLATA Presubscribed Interexchange Carrier at the same time, 50% of the otherwise applicable IntraLATA and InterLATA PIC change charges will apply.

B. Suspension for Non-Payment

When Premise Visit is Not Required

	<u>Business</u>	<u>Residence</u>
First Line, per occasion	<u>\$ 30.00</u>	<u>\$ 30.00</u>

When Premise Visit is Required, the Following Charges are in Addition to Above Charges

First Line, per occasion	\$ 9.20	\$ 9.20
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LOCAL EXCHANGE RATES

General

Local Exchange Service is provided by means of station, wire, switching and other facilities, plant and equipment to enable the establishment of telephone communications between stations in the same or different serving area at monthly rates as set forth in this Section. The facilities, plant and equipment used to provide Local Exchange Service are also used in the furnishing of toll telephone services at rates applicable for such services. Basic Service provides a Customer with a single, voice grade dial tone which allows unlimited local calls for one (1) flat monthly rate. Basic Service is provided with touch-tone as a standard feature. Basic Service is available with the features. The features are available individually or packaged in groups

Calling Areas

Local Calling areas that allow Customers to make calls without incurring long distance charges will mirror the serving exchange area and local calling areas as provided by the Incumbent Local Exchange Carrier, with the exception of the Columbus and Dayton metro areas. References to Dayton and Columbus are the Dayton and Columbus exchanges only. The exchanges where the Company is providing service are detailed below.

<u>Exchange</u>	<u>Local Calling Area</u>
<u>Ada</u>	Alger Bluffton Dunkirk Findlay Kenton Lafayette Lima Westminster
<u>Bellefontaine</u>	Belle Center DeGraff East Liberty Huntsville Jackson Center Mt. Victory NorthLewisburg Ridgway Rushsylvania Russells Point Waynesfield West Liberty West Mansfield
<u>Bluffton</u>	Ada Beaverdam Cairo

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	Findlay
	Lafayette
	Lima
	Pandora
	Ottawa
	Waynesfield
	Westminster
	Vaughnsville
<u>Marysville</u>	Magnetic Springs
	Milford Center
	Raymond
	North Lewisburg
	York Center
	Woodstock-
<u>Minster</u>	Maria Stein
	New Bremen
<u>New Bremen</u>	Minster
	St. Marys
<u>Sidney</u>	Anna
	Botkins
	DeGraff *
	Fort Loramie
	Jackson Center
	Rosewood *
	Versailles *
<u>St. Marys</u>	Celina
	New Bremen
<u>Tipp City</u>	Christiansburg
	New Carlisle
	Troy
	Dayton
<u>Waynesfield</u>	Alger
	Belle Center
	Bellfontaine
	Jackson Center
	Kenton
	Lima
	Russells Point
	Wapakoneta
	Westminster

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LOCAL EXCHANGE BASE RATES

A. Monthly Flat Rate

	<u>Basic Business</u>	<u>Residential</u>	<u>PBX</u>	<u>Key</u>
Schedule I	\$ 24.88	\$ 12.38	\$ 49.66	\$ 37.25
Schedule II	\$ 25.73	\$ 12.80	\$ 49.66	\$ 37.25
Schedule III	\$ 26.61	\$ 13.23	\$ 49.66	\$ 37.25
Schedule IV	\$ 27.85	\$ 13.85	\$ 49.66	\$ 37.25
St. Mary's Exchange	\$ 27.85	\$ 13.85	\$ 49.66	\$ 35.25
Schedule V	\$ 29.09	\$ 14.47	\$ 49.66	\$ 37.25
Schedule VI	\$ 34.33	\$ 14.94	\$ 49.66	\$ 37.25

Term Discounts*

<u>Term</u>	<u>% Discount of Monthly Rate</u>
1 Year Term	0.5%
2 Year Term	1.0%

*Term Discounts are offered to Business Service Customers only.

B. Extension Circuit

	<u>Monthly Rate Each Line</u>
Off Premise Continuous Property Extension Lines	
Extension or Business	\$ 2.38
Key System and/or Private Branch Exchange Stations	\$ 2.38
Extension Signal	N/A
Tie Lines	\$ 2.38

Monthly Rate

Off Premise Non-Continuous Property Extension Lines

Circuit Between Contiguous Central Office in the Same Exchange Area, each	See Private Line Section
Circuit Between Non-Contiguous Central Offices in the Same Exchange Area, each	See Private Line Section

* Rate Elements which apply are: A Voice Grade Channel Termination, Channel Mileage, if applicable, and Signaling Capability, if applicable. All appropriate monthly rates and non-recurring charges in this document will apply.

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CALLING SERVICES - (per month charges, unless otherwise noted)

Basic Features

	<u>Business</u>
Basic Call Forward, each line	\$ 0.71
Three-Way Calling, each line	\$ 2.61
Speed Calling – Eight Numbers, each line	\$ 0.71
Call Forward Busy – Fixed, each line	\$ 0.95
Call Forward	
- No Answer – Fixed, each line	\$ 0.95
- Busy/No Answer Fixed, each line	\$ 1.19
- Busy/No Answer Variable, each line	\$ 2.85

Enhanced Features

	<u>Business</u>
Speed Calling – Thirty Numbers, each line	\$ 1.19
Distinctive Ringing, each line	\$ 5.70
Automatic Busy Redial, each line	\$ 4.75
Automatic Busy Redial, per use	\$ 0.71
Automatic Call Return, each line	\$ 4.75
Automatic Call Return, per use	\$ 0.71
VIP Alert, each line	\$ 2.85
Enhanced Call Forward, each line	\$ 4.75
Enhanced Call Acceptance, each line	\$ 2.85
Complete Blocking, per line	\$ 1.90*
Selective Blocking, per call	-
Anonymous Call Rejection, per line	\$ 0.95
Caller ID – Name and Number w/ Anonymous Call Block, per line	\$ 7.55

* A subsequent service ordering charge is applicable to the installation of this service. The charge will be waived during the first ninety (90) days following the date of availability of the service.

** Charges for Call Tracing Service are assessed on a per use basis. A per activation rate of \$4.00 is applicable to business and residence service.

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CALLING SERVICES - (per month charges, unless otherwise noted)

Choice Pac

Choice Pac provides a 35% discount to Business Customers subscribing to three or more custom calling services as listed below. If total number of subscribed services is less than three, or if the customer removes a service or services, making the total number of subscribed services less than three, the discount will not apply and the applicable individual rates will apply. Choice Pac is available to single line Business Customers only.*

Automatic Busy Redial	Distinctive Ring
Automatic Call Return	Enhanced Call Acceptance
Call Block	Enhanced Call Forwarding
Call Forward Busy/No Answer – Variable	Speed Calling - Eight
Call Waiting	Speed Calling – Thirty
Caller ID – Name and Number	Three Way Calling
Caller ID – Number	VIP Alert
Caller ID – Name and Number with Anonymous Call Block	
Caller ID – Number with Anonymous Call Block	

* Anonymous Call Block, as a stand-alone service, and Cancel Call Waiting are not included toward the discount threshold. Their rates, however, will be discounted if the threshold quantity of three is met.

Business Pack Services

	<u>Monthly Rate</u>
1. TSC Business Pack 1 (Call Forwarding, Call Waiting, Speed Calling 8, Three-Way Calling)	
Business Service	\$3.75
a. Including Distinctive Ringing	\$6.60
2. TSC Business Pack 2 (Call Forwarding, Call Waiting, Speed Calling 8, Three-Way Calling, Camp-On/Busy Number Redial, Last Number/Saved Number Redial, Cancel Call Waiting)	
Business Service	\$5.65
a. Including Distinctive Ringing	\$8.50

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TOLL RESTRICTION SERVICE

General

- A. Toll Restriction Service is an optional service that prevents the origination of unauthorized toll calls from a Customer's line, by means of blocking at the Company's central office.
- B. This arrangement denies all outgoing calls starting with the digit "1" or "0".
- C. All local calls will be permitted from the Customer's line.
- D. All local calls to directory assistance will be permitted, except those that require 1+ or 0+ dialing.
- E. This service will not block all toll calls a Customer might make or receive, such as collect calls and/or long distance calls placed by dialing digits other than "1".
- F. The Customer accepts full responsibility for denial of access to the toll network.
- G. The Customer accepts full responsibility for collect calls and/or long distance calls placed by dialing digits other than "1" or "0".
- H. The Customer holds the Company harmless from any and all liabilities and/or damages which may be alleged or incurred by the use of toll restriction, acceptance of collect calls, and/or long distance calls placed by dialing digits other than "1" or "0".
- I. This service is available only where facilities permit.

	<u>Monthly Rate</u>	<u>Installation Charge**</u>
A. Option 1* - Restricts any Direct Dialed One Plus (1+) or Direct Dialed International (011+) Call. Calls to 800 Service (1+800+XXX-XXXX) are the Only One Plus (1+) Calls that will not be Restricted.		
Business, per line equipped	\$ 6.00	\$ 12.00
Trunk, per trunk equipped	\$ 10.00	\$ 12.00
B. Option 2 – Includes Option 1 and any Local or Long Distance Zero Plus (0+) or Zero Minus (0-) Call. If 911 Service is not Available in an Exchange, Zero Minus (0-) Calls will be Restricted to Operator Assisted Local Calls and Calls to Governmental Emergency Service Agencies.		
Business, Per Line Equipped	\$ 6.00	\$ 12.00
Trunk, Per Trunk Equipped	\$ 10.00	\$ 12.00

* Includes Originating Line Screening, which allows outgoing intraLATA toll calls to be charged to the called telephone, a third number, or a credit card account.

** The installation charge applies in addition to all other Servicing Charges when this service is ordered in conjunction with other services. The installation charge does not apply when a customer elects to change Toll Restriction Service options.

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ROTARY LINE SERVICE

A. General

Rotary line service is an arrangement whereby two or more individual lines or exchange trunk lines furnished to a customer at a given location are grouped so that calls to the first number of the grouped lines are automatically routed to the first non-busy line of the lines so grouped and a busy signal or busy report is not given unless all the grouped lines are busy.

B. Regulations

1. Rotary lines are individual lines or exchange trunk lines of the same class and type.
2. Only the call number of the first individual or exchange trunk line of a rotary group is listed in the directory.
3. All subsequent rotary lines are terminated with the associated listed number line on the same or continuous premises of the same customer.

C. Rates and Charges

	Monthly <u>Rate</u>
Each individual or exchange trunk line arranged for rotary line service, in addition to the charges for the appropriate class and grade of service as specified in the exchange rate section.	\$2.28

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DIRECTORY SERVICES

DIRECTORY LISTINGS

	<u>Business</u>
Additional Listing, each	\$ 2.14
Foreign Listing, each	\$ 2.14
Non-Published, each line	\$ 1.90
Emergency Non-Published, each line*	\$ 2.14
Optional Relay*	\$ 0.81
Family Listings, each group of three (3) or less*	N/A
each group of four (4) or more*	N/A

*Available in Verizon service territory only

Service charges apply in the following situations.

1. The service charge applies if a customer establishes a non-published telephone number in connection with the establishment of a new service or when there is no change in telephone number.
2. To change from one non-published number to another non-published telephone number and
3. To change from a non-published telephone number to a published telephone number.

DIRECTORY ASSISTANCE

	<u>Business</u>
Customer Direct Calls	\$ 0.55
Via Operator	\$ 0.55
Monthly Local Directory Assistance Allowance	(3)
Each PBX Trunk Line Allowance	(3)
Call Completion, per call	\$ 0.35
Busy Line Verification*	\$ 0.55

*The charge is not applicable if the operator finds that the line verified is in a trouble condition.

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DIRECT INWARD DIAL TRUNKS

DID service permits calls incoming to PBX or other CPE from the network to reach a specific line number without the assistance of an attendant. The service includes central office switching equipment necessary for in dialing from the network directly to station lines associated with the customer CPE. The service must be provided on all trunks in a group arranged for DID. One primary directory listing will be furnished, without charge, for each separate trunk group. The customer shall be responsible for providing interception to calls to vacant or non-working assigned DID number. DID numbers are provided in blocks consisting of a minimum of 20 consecutive numbers, unless specified otherwise.

A. Central Office Line Termination, per trunk

	<u>Monthly</u>	<u>Non-Recurring Charge</u>
1. Each Group of 10 DID Numbers or Fraction Thereof*	\$ 1.95	See Bus. Svc. Chgs.
2. Each Group of 100 DID Numbers or Fraction Thereof*	\$ 19.47	See Bus. Svc. Chgs.
36 Month Contract	\$ 14.25	See Bus. Svc. Chgs.
3. Each DID Trunk Termination in Central Office	\$ 14.25	See Bus. Svc. Chgs.

*Includes DID Reserve Numbers

Note: Rates for DID Service are in addition to the charges for the associated Trunk Lines.

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE

A. General

Centrex Service is a local exchange telecommunications service available to customers served from suitably equipped central offices.

B. Features

Features provided via Centrex Service from host central office interface equipment and software include:

1. Series 1000 – Call Forwarding (Busy, All, No Answer), Call Hold, Call Pickup, Call Transfer, Call Waiting, Cancel Call Waiting, Code Call Access, Consultation Hold, Dial Pulse, Direct Inward Dialing, Direct Outward Dialing, Distinctive Ringing, Flexible Intercept, Hunting (Sequential), Last Number Redial, Make Busy (Terminal/Group), Music-on-Hold, Paging Access, Speed Calling (Changeable), Speed Calling Individual (Short), Station-to-Station Dialing, Stop Hunt, Three-Way Calling.
2. Series 2000* - Series 1000 plus: Attendant Busy Verification, Attendant Call Transfer, Attendant Camp-On, Attendant Control of Trunk Group Access, Attendant Conference (Small), Attendant Hold, Attendant Position Busy, Attendant Recall, Auto Callback, Automatic Call Splitting, Call Park, Code Restriction, Data Privacy, Dictation Access and Control, Direct Connect, Distinctive Call Waiting Tones, Emergency Bureau Access, Executive Busy Override, FX Facilities Access, Fully Restricted service, Hunting (Distributive), Meet-Me Conference, Night Service (Fixed, Flexible), On-Hook Queuing, Speed Calling Group, Station Conference (Small), Toll Restricted Service, Uniform Call Distribution.
3. Series 3000* - Series 1000 and 2000 plus: Authorization Codes, Automatic Route Selection, Call Waiting (Originating), Directed Call Pickup, Expensive Route Warning Tone, Off-Hook Queuing, Remote Access to Business Group Features, Speed Calling Individual (Long), Station Message Detail Recording, Time of Day Routing.
4. Centrex Class – Automatic Busy Redial, Automatic Call Return, Call Block, Special Call Acceptance, Special Call Forwarding, Special Call Waiting.

* Attendant features require use of a Centrex System Interface.

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

B. Features, (cont'd.)

5. Optional Features* - Additional Console Member, Authorization Codes (per group of 10), Automatic Route Selection (Facilities Restriction Level, Expensive Route Warning, and Time of Day Routing), Calling Number ID, Code Call Access, Conference Call, Data Link Console Interface, Dictation Access and Control, Flexible Night Answer, FX Access, Identification-Multiple Directory Numbers, Limited Automatic Call Distribution, Mixed Night Answer, Music-On-Hold Access, Non-Data Link Console Interface, Paging/Public Address Access, Pilot Number of Hunt Groups, Predetermined Night Answer-Fixed, Preferential Hunting, Priority Queuing, Proprietary Set Interface, Psuedo Number, Recorded Announcement, Speed Call 30 (System), Station Message Detail Recording (Magnetic Tape Only), Stop Hunt, T-1 Access, Terminal Make Busy, Tie Facility Access, Universal Night Answer, VIP Alert, WATS Access, and 800 Service Access.

*Attendant features require the use of a Centrex System Interface.

C. Regulations

1. In the event of termination of Centrex Service during the contract period, the customer will remain liable for the balance of contract period rates adjusted to their then present worth equivalent, based upon a 12% discount rate, which shall upon any such termination immediately become due and payable in their entirety.
2. In the event the customer reduces the number of Centrex lines initially contracted, by 20% or more, the termination liability, is applicable and will be based upon the initial number of lines under contract.
3. This document contemplates 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 assembly rates and charges may be applied in addition to those shown herein.

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

C. Regulations, (cont'd.)

4. Centrex Service for customers who require a system in excess of 500 access lines will be provided on an individual case contract basis.

Centrex Service, which has unique costs to the Company not contemplated in the general Centrex Service offering described elsewhere in this document, will be provided on an individual case contract basis. These contracts may be subject to the approval of The Public Utilities Commission of Ohio.

5. Centrex Service lines may not be terminated on a PBX or equivalent type system.
6. This document (including the rates and charges shown herein) for Centrex Service is subject to such changes or modifications as The Public Utility Commission of Ohio may from time to time direct or allow in the exercise of its jurisdiction.
7. All customer lines in Calling Number ID serving areas will automatically be provisioned with Cancel Calling Number Delivery Per Call service unless the customer orders Cancel Call Number Delivery Per Line service.
8. Centrex Service Customer Moves and Changes provide customers with the ability to prepare, schedule, and implement feature changes and configurations from a computer terminal located on the customer's premises.

Product Functions – The customer controls the following functions:

(1) Service Option Information Changes

- Line Restriction Status
- Facility Restriction Level Assignment
- Call Pick-Up Group
- Call Forwarding Number
- Authorization Code Assignment
- Button Features

(2) Activation/Deactivation of Features

(3) Telephone Number Swaps

(4) Reports (Queries and Tallies)

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

C. Regulations, (cont'd.)

9. Subsequent line additions/deletions
 - (a) 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. Existing contract period rates, for lines previously contracted, remain unchanged. If the line addition results in the customer's total Centrex line count exceeding the threshold of the line group previously contracted, only the quantity of additional lines will be billed at the rate for the larger group.
 - (b) Subsequent line deletions resulting in reductions equal to or exceeding 20% of the initial lines under contract will be treated as set forth in this document. If the reduction causes the total number of lines to fall within a different line group, all remaining lines will be billed at rates according to the associated line group as set forth below.
10. If a customer request an upgrade of an existing Feature Series (e.g., from Series 1000 to 2000 or from Series 2000 to 3000), his existing per line contract rate will be changed to reflect the appropriate rate applicable to the new Feature Series. The new contract rate will apply for the duration of the existing contract period.

A. The following rates and charges apply to Centrex Service.

- (1) The Service is offered via the following contract options: month to month, 12 months, 36 months, 60 months and 84 months.
- (2) The rates and charges shown herein apply in addition to all other applicable rates and charges shown elsewhere in this document.

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

A. (cont'd.)

(3) The following rates apply during the initial contract period and until the service is discontinued:*

	<u>Month to Month</u>	<u>Monthly Rate</u>
3 – 25 Lines, per line		\$ 28.50
26 – 50 Lines, per line		\$ 26.60
	<u>12 Month Contract</u>	
3 - 25 Lines, per line		\$ 27.08
26 – 50 Lines, per line		\$ 25.18
51 – 100 Lines, per line		\$ 22.33
101 – 200 Lines, per line		\$ 20.43
	<u>36 Month Contract</u>	
4 – 15 Lines, per line		\$ 25.65
16 – 20 Lines, per line		\$ 23.75
21 – 30 Lines, per line		\$ 20.90
31 – 40 Lines, per line		\$ 19.00
41 – 50 Lines, per line		\$ 18.05
51 – 75 Lines, per line		\$ 15.68
76 – 100 Lines, per line		\$ 14.25
101 – 500 Lines, per line		\$ 12.35

* In addition to the above line rates, Feature Series rates apply as specified

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

A. (cont'd.)

(3) The following rates apply during the initial contract period and until the service is discontinued:*

60 Month Contract

4 – 15 Lines, per line	\$ 23.75
16 – 20 Lines, per line	\$ 20.90
21 – 30 Lines, per line	\$ 19.00
31 – 40 Lines, per line	\$ 17.10
41 – 50 Lines, per line	\$ 15.68
51 – 75 Lines, per line	\$ 14.25
76 – 100 Lines, per line	\$ 12.35
101 – 500 Lines, per line	\$ 11.40

84 Month Contract

4 – 15 Lines, per line	\$ 20.90
16 – 20 Lines, per line	\$ 19.00
21 – 30 Lines, per line	\$ 17.10
31 – 40 Lines, per line	\$ 15.68
41 – 50 Lines, per line	\$ 14.25
51 – 75 Lines, per line	\$ 12.35
76 – 100 Lines, per line	\$ 11.40
101 – 500 Lines, per line	\$ 10.45

* In addition to the above line rates, Feature Series rates apply as specified 10.16.A. (4)

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

A. (cont'd.)

(4) The following Feature Service rates apply per line for as long as the system is in service.

	<u>Minimum Rates</u>
Feature Series 1000	\$ 1.43 Per Line
Feature Series 2000	\$ 1.74 Per Line
Feature Series 3000	\$ 1.90 Per Line
Centrex Class	<u>Monthly Rates</u>
3 – 25 Lines	\$ 4.75 Per Line
26 – 50 Lines	\$ 4.28 Per Line
51 – 500 Lines	\$ 3.80 Per Line
Over 500 Lines	IBC

(2) Line rates shown herein do not include the provision of stations.

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

A. (cont'd.)

(5) The following line to trunk ratio is implicit in the Centrex line rates as set for above.

<u>Lines</u>	<u>Trunk Equivalency</u>	<u>Lines</u>	<u>Trunk Equivalency</u>	<u>Lines</u>	<u>Trunk Equivalency</u>
3-5	2	151-175	18	351-360	36
6-7	3	176-200	20	361-370	37
8-9	4	201-230	23	371-380	38
10-11	5	231-240	24	381-390	39
12-15	6	241-250	25	391-400	40
16-20	7	251-260	26	401-410	41
21-30	8	261-270	27	411-420	42
31-40	9	271-280	28	421-430	43
41-45	10	281-290	29	431-440	44
46-50	11	291-300	30	441-450	45
51-65	12	301-310	31	451-460	46
66-75	13	311-320	32	461-470	47
76-100	14	321-330	33	471-480	48
101-125	15	331-340	34	481-490	49
126-150	16	341-350	35	491-500	50

Centrex trunk access in excess of the trunk equivalency shown above may be obtained at the following rates:

	<u>Monthly Rate</u>
Additional Centrex trunk access, each trunk	\$ 38.00

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

A. cont'd.)

(6) Centrex database program changes resulting from customer requested work activities.

Nonrecurring
Charge

(a) When the change is made to (1) establish a new line, (2) change the class of service mark for an existing line, (3) establish or change a line's dial call pickup group assignment or feature series or (4) for any other modification in service

(a.1) First line programmed or reprogrammed

\$ 25.00*

(a.2) Each additional line programmed or reprogrammed

\$ 2.50*

* In addition, Servicing Charges, excluding the Central Office Charges and Outside Plant Charges will apply. In the case of Centrex Service customer moves within the same exchange area, appropriate Servicing Charges, including the Central Office Charges and Outside Plant Charges, will apply.

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

B. Optional Centrex Services

- (1) Centrex System Interface – This service provides special interface arrangements for the connection of certain customer premises equipment to a Centrex system. Each interface requires a separate Centrex line. Data base program change charges as set forth above apply per line programmed.

	<u>Contract Period*</u>	<u>Minimum Monthly Rates</u>
Attendant Data Link Console Interface, Per interface	Month to Month	\$ 152.00
	12 Month	\$ 152.00
	36 Month	\$ 152.00
	60 Month	\$ 118.75
	84 Month	\$ 99.75
	<u>Minimum Nonrecurring Charge</u>	<u>Minimum Monthly Rate</u>
(2) Conference Calling, per circuit	\$ 230.00	\$ 123.50

* The contract period for the Centrex System Interface is based upon the initial contract period for the Centrex system. Subsequent interface additions will be rated under a new contract or an addendum to an existing contract based upon the remaining period of the initial contract.

**Service Catalog
Frontier Service Area - Resale**

CENTREX SERVICE, (cont'd.)

B. (cont'd.)

	<u>Monthly Rate</u>
(3) Reserved for Future Use	
(4) Pseudo Number, each	\$ 5.70
(5) Optional Features*	<u>Minimum Monthly Rate</u>
Attendant Additional Console Member	N/C
Attendant Flexible Night Answer	\$ 0.48
Attendant Identification – Multiple Directory Numbers	\$ 0.48
Attendant Mixed Night Answer (1) (2)	\$ 0.48
Attendant Non-Data Link Console Interface (3)	\$ 33.25
Attendant Predetermined Night Answer	\$ 0.48
Attendant Universal Night Answer (1) (4) (5)	\$ 0.48
Authorization Codes, per group of 10	\$ 0.48
Automatic Route Selection	\$ 1.66
Code Calling Access (1)	\$ 13.30
Dictation Access and Control (1)	\$ 14.25
FX Access	\$ 3.33
Limited Automatic Call Distribution	\$ 0.48
Music On Hold Access (1)	\$ 19.00
Paging/Public Address Access (1)	\$ 23.75

(1)Where facilities and conditions permit. Does not include music source for Music on Hold.

(2)Requires Predetermined Night Answer and Universal Night Answer.

(3)Requires multiline appearances normally assigned to a rotary hunt group.

(4)Requires listed directory number.

(5)Requires data-link console.

*The charges apply to initial and subsequent additions of Optional Features.

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

B. (cont'd.)

(5) Optional Features*, (cont'd.)

	<u>Minimum Monthly Rate</u>
Pilot Number of Hunt Groups	\$ 0.03
Preferential Hunting (2)	\$ 0.24
Priority Queuing (3)	\$ 0.48
Proprietary Set Interface	\$ 4.26
Recorded Announcement	\$ 23.75
Speed Call 30 (System)	\$ 0.19
Station Message Detail Recording	\$ 0.14
Stop Hunt (2) (4)	\$ 1.52
Terminal Make Busy (4)	\$ 1.52
Tie Facility Access	\$ 2.38
T1 Access	\$ 142.50
WATS Access	\$ 1.43
800 Service Access	\$ 1.43

(1)Where facilities and conditions permit. Does not include music source for Music on Hold.

(2)Requires Predetermined Night Answer and Universal Night Answer.

(3)Requires multiline appearances normally assigned to a rotary hunt group.

(4)Requires listed directory number.

(5)Requires data-link console.

*The charges apply to initial and subsequent additions of Optional Features.

Service Catalog
Frontier Service Area - Resale

CENTREX SERVICE, (cont'd.)

B. (cont'd.)

(5) Optional Features*, (cont'd.)

	<u>Monthly Rate</u>
Calling Number ID, per line	
3-25 Lines	\$ 5.70
26-50 Lines	\$ 4.28
50 – 500 Lines	\$ 1.90
Over 500 Lines	ICB
VIP Alert, per line	\$ 3.80

*The charges apply to initial and subsequent additions of Optional Features.

A. Optional System Features

The following rates are for Centrex Customer Moves and Changes (CMAC):

<u>Line Size</u>	<u>Minimum Non-Recurring Charge*</u>	<u>Minimum Monthly Recurring Charge*</u>
3 – 100 Lines	\$ 250.00	\$ 118.75
101 – 200 Lines	\$ 400.00	\$ 156.75
201 – 500 Lines	\$ 800.00	\$ 190.00
501 – 1500 Lines	\$1,850.00	\$ 285.00
1501+ lines	\$3,500.00	\$ 403.75

*Both Nonrecurring Charges and Monthly Recurring Charges apply per system.

Service Catalog
Frontier Service Area - Resale

PRIVATE LINE

DESCRIPTION/GENERAL REGULATIONS

- A. IntraLATA Intraexchange/Interexchange Private Line Services are the furnishing of Telephone Company facilities for communications by customers, authorized users or joint users between specified locations, 24-hours daily, seven days per week, except as otherwise specifically stated.
- B. In case a shortage of facilities exists, the establishment of local and message toll telephone services shall take precedence over all others.
- C. Private Line Services are furnished only for communications in which the customer or authorized user has a direct interest and shall not be used for any purpose for which a payment shall be received by the customer or authorized user.
- D. Where construction is required in connection with private line services furnished by the Telephone Company, construction charges may apply.
- E. Terminating equipment may or may not be furnished by the subscriber, but it must in each case be approved by the Telephone Company.
- F. The liability of the Telephone Company for damages arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission occurring in the course of furnishing service and not caused by failure of facilities provided by the customer, negligence of the subscriber or negligence of the Telephone Company shall not exceed an amount equivalent to the proportionate charge to the customer for the period of service during which mistake, omission, interruption, delay, error or defect in transmission occurs.
- G. The Telephone Company shall be indemnified and saved harmless by the customer against all claims for libel, slander, infringement of copyright or patents, and all other claims arising from material transmitted over Telephone Company facilities or any act or omission of the customer.
- H. Regulations and rates contained herein apply:
 - 1. To private line service between two or more points between Telephone Company exchange areas;
 - 2. To that portion of a joint private line service furnished by the Telephone Company in the case of such service involving Telephone Company exchange areas, and exchange areas of connecting companies within the State of Ohio.
- I. Whenever facilities are provided jointly by the Telephone Company and one or more other telephone companies, the regulations, rates and charges of such other telephone companies apply for the equipment and facilities furnished by them for use in connection with the interexchange service provided by the Telephone Company.
- J. Where it is necessary to use intraexchange or interexchange channel facilities of another telephone company in order to furnish a private line service, such service will be furnished only if satisfactory arrangements can be made with the other company.
- K. The Telephone Company is not liable for any act or omission of any other telephone company furnishing a portion of the service.

Service Catalog
Frontier Service Area - Resale

BASIC RATE CATEGORIES

- A. Channel Termination. The Channel Termination rate category provides for the communications path between a customer-designated premises and the serving wire center of that premise. One Channel Termination charge applies per customer-designated premises at which the channel is terminated.
- B. Channel Mileage Termination. The Channel Mileage Termination rate category provides for the termination of transmission facilities between the serving wire centers associated with two customer-designated premises.
- C. Channel Mileage. The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with two customer-designated premises. The channel mileage charge applies on a per mile basis of interoffice transport.
- D. Non-Wire Center Connected Channels (Point to Point) is Private Line Service connecting two customer premises without going through a Company wire center or hub.
- E. Optional features and functions are items that may be added to service to improve quality or meet specific communications requirements. Such items may include signaling, conditioning, transfer arrangements, protection switching, etc. The Company's philosophy will be to include as many of such options as is reasonable in the base price of the Private Line Service. Some Optional features are included in this document, but the list is not all-inclusive. As additional options and features are added to the available list of services, each definition and rate will be added to this document. The Company reserves the right to suggest a charge for non-standard features not included in this document, and to then document the item upon sale to a subscriber.

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Frontier Service Area - Resale

TERMINATING OPTIONS DESCRIPTION

Terminating Options provide a clearly delineated interface between Telephone Company and customer facilities at the point of termination at the CDL. Terminating Options facilitate the design, isolation, and testing of the Special Access. The description of each Terminating Option defines the most effective use of the Terminating Option. Although a customer is not restricted from alternate applications, except where such application is harmful to the network, the Telephone Company cannot guarantee technical performance for other than the applications stated below. Terminating Options are nonchargeable.

VOICE GRADE SERVICES

A. Description

1. A Voice Grade (VG) channel is a channel which provides voice frequency transmission capability in the normal frequency range of 300 to 3000 HZ and may be terminated two-wire or four-wire.
2. Description of Supplemental Features

Supplemental Features are items which can be added to a Special Access service to provide enhanced capabilities or improve its utility. References to specific uses or Special Access types indicate the most effective use for each Supplemental Feature. Customer use for other purposes or with other Special Access types is limited only to the extent that such use must not harm the network. Further, the Telephone Company does not guarantee functional operation of Supplemental Features for these alternate applications.

Listed below are the Supplemental Features that are offered under this document.

a) Bridging

Bridging is the function of connecting three or more CDLs in a multipoint arrangement. Listed below are those bridging services offered under this document.

1) MultiPoint Data Bridging

This feature provides the capability to derive a multipoint data circuit from a single facility and is normally provided on Voiceband facilities provided for transmission of data signals. This function is provided on a per port basis. Polled multipoint data circuits are a typical application of this feature.

2) Voice Conference Bridging

Bridging arrangement to connect multiple Voiceband facilities in order that a voice frequency input signal from any location will be reproduced at the output of all other circuit locations. This function is provided on a per port basis.

Service Catalog
Frontier Service Area - Resale

VOICE GRADE SERVICES (cont.)

A. Description (cont.)

2. Description of Supplemental Features (cont.)

a) Bridging (cont.)

3) Alarm Distribution Bridging

Provides polling type bridging capabilities, band splitting filters and conversion of four-wire common terminations up to a capacity of 40 two-wire terminations. This function is offered as two elements. The first element provides all shelving and common equipment for a capacity of 40 two-wire terminations. The second element provides a two-wire port. One common equipment rate element will apply to accommodate up to 40 two-wire terminations. One two-wire port charge will apply to each two-wire Special Access Line terminated in the bridge.

4) DDS Bridging

Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 kbps, 4.8 kbps, 9.6 kbps, 19.2 kbps, 56 or 64 kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

b) Conditioning Arrangements – Data

Data conditioning, when utilized in conjunction with effective four-wire Voiceband transmission facilities, improves the characteristics of these facilities. These improved characteristics are not represented to apply to the entire end to end facility of the customer, but only to that portion of the facility provided by the Telephone Company.

There are three types of data conditioning: Type C, Type C-Improved and Type DA. Type C and Type C-Improved conditioning control attenuation distortion and envelope delay distortion. Type DA controls the signal to C-notched noise ratio and intermodulation distortion. Type C and Type DA conditioning may be combined on the same circuit. Type C-Improved and Type DA conditioning may be combined on the same circuit.

Service Catalog
Frontier Service Area - Resale

VOICE GRADE SERVICES (cont.)

A. Description (cont.)

2. Description of Supplemental Features (cont.)

b) Conditioning Arrangements – Data (cont.)

Data conditioning is charged for on a per Special Access Line basis. The parameters listed for each type of data conditioning apply from two or more CDLs located within the Telephone Company serving area. Conditioning parameters apply to each end of a two-point circuit. For multipoint circuits, the conditioning parameters apply from any CDL to either the point of interface at another CDL or the first Telephone Company bridging point depending on the circuit configuration. These parameters are not applicable to High Capacity or Wideband Analog points of interface, because there is no voice frequency test access point. In these instances, the data conditioning parameters apply to the last telephone company voice frequency test access point before the High Capacity or Wideband Analog point of interface.

1) Type C

Type C conditioning of Voiceband facilities provides a facility with the following transmission parameters in addition to the standard parameters for Voiceband circuits.

a.1 Attenuation distortion with reference to 1004 Hz.

b.1 Envelope delay distortion

2) Type C-Improved

Type C-Improved conditioning of Voiceband facilities provides a facility with the following transmission parameters in addition to the standard parameters for Voiceband circuits.

a.1 Improved attenuation distortion with reference to 1004 Hz.

Service Catalog
Frontier Service Area - Resale

VOICE GRADE SERVICES (cont.)

A. Description (cont.)

2. Description of Supplemental Features (cont.)

b) Conditioning Arrangements – Data (cont.)

2) Type C-Improved (cont.)

b.1 Improved envelope delay distortion

The customer may choose to order improved Attenuation Distortion or Improved Envelope Delay Distortion or both configurations. The rates specified for Type C-Improved conditioning, will apply regardless of the configuration specified.

3) Type DA

Type DA conditioning of Voiceband facilities provides a facility with the following transmission parameters in addition to the standard parameters for Voiceband circuits.

a.1 Signal to C-notched noise ratio.

b.1 Nonlinear signal to second order distortion.

c.1 Nonlinear signal to third order distortion.

c) Signaling Arrangements

Signaling arrangements, when furnished with Voiceband transmission facilities, enable the facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements provide for the conversion of one signaling method to another signaling method and/or extension of a signaling method at customer and Telephone Company interfaces and enables the transmission facilities to accommodate signaling transmission. Signaling arrangements are available with Voiceband transmission facilities to enable transmission of requested signaling formats. The third and fourth protocol characters of the Network Channel Interface (NCI) and Secondary Network Channel Interface (SEC NCI) codes as indicated on the customer's order, reflect signaling activity. Typical protocol characters contained in the NCI or SEC NCI codes that designate signaling arrangements are: AB, AC, DS, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, NO, RV and SF.

Service Catalog
Frontier Service Area - Resale

VOICE GRADE SERVICES (cont.)

A. Description (cont.)

2. Description of Supplemental Features (cont.)

c) Signaling Arrangements (cont.)

The customer identified NCI and SEC NCI codes will be considered the customer's request for signaling. The Telephone Company will endeavor to provide the specific signaling protocols requested by the customer. In those cases where facilities and equipment are not available to meet the customer's specific requests, the Telephone Company will provide the customer acceptable alternate protocols. To properly provision SF signaling, when associated signaling code is DS (PCM), additional information of SF requirements (loop signaling type DX/E&M or ringdown) must accompany the customer's order.

Signaling arrangement charges apply whenever interfaces at the customer premises or at the customer's Telephone Company serving wire center require a signaling arrangement other than those provided with the Termination Options in 8.A.4.B following. Signaling Arrangements will be charged on a per SAL basis. Specifically, a signaling charge applies if the signaling protocol characters in the NCI and the SEC NCI fields are different and include one of the following codes: RV, EX, SF, DX, DY, DS, AB.

For the above conditions, one additional signaling charge applies for each additional leg of multipoint circuit. When a Multiplexing Arrangement is ordered that converts a single higher capacity or bandwidth circuit into several lower Voiceband circuits, the Voiceband Signaling Arrangements are provided as part of the Multiplexing Arrangement, and no additional Signaling Arrangement charges will apply.

A signaling charge applies in addition to any other applicable signaling charge when loop range extension equipment is required. The Telephone Company will obtain customer approval for signaling range extension equipment.

Listed below are the Signaling Arrangements offered under this document.

- 1) Loop Signaling Range Extension – An arrangement to extend the metallic resistance limitations of loop type signaling.

Service Catalog
Frontier Service Area - Resale

VOICE GRADE SERVICES (cont.)

A. Description (cont.)

2. Description of Supplemental Features (cont.)

c) Signaling Arrangements (cont.)

- 2) Conversion of Loop or E&M Signaling to SF – An arrangement to convert loop or E&M signaling to the single frequency signaling format.
- 3) E&M to DX Signaling Conversion – Conversion of E&M signaling to the DX signaling format.
- 4) E&M to Loop Signaling Conversion – Conversion of E&M signaling format to the loop type signaling.
- 5) Loop or E&M to PCM Signaling – Conversion of loop or E&M signaling to the digital (PCM) signaling format.
- 6) Automatic Ringdown Signaling (ARD) – A signaling arrangement on a two-point Special Access which converts loop seizure at one end of the facility into ringing signal at the opposite end.

d) Echo Control

1) Echo Suppression

An arrangement provided at the customer's request to attenuate reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo suppression is charged on a per Special Access circuit basis. Echo suppression is an obsolete service offering and is applicable only to those circuits equipped with echo suppression prior to January 1, 1987. Any service rearrangements or order activity on the circuits equipped with echo suppression may require a change to echo canceller as described below.

2) Echo Canceller

An arrangement provided at the customer's request to cancel reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo canceller is charged on a per Special Access circuit basis.

Service Catalog
Frontier Service Area - Resale

VOICE GRADE SERVICES (cont.)

A. Description (cont.)

2. Description of Supplemental Features (cont.)

e) Improved Return Loss

Improved Return Loss provides for increased echo return and signaling return parameters of an effective two-wire channel. This optional feature is available with certain Voiceband services at a two-wire point of termination when the transmission interface is four-wire at one CDL and two-wire at the other CDL. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

Improved Return Loss rates and charges will apply on a per Special Access Line basis at the rates specified in this document.

f) Voiceband Facility Switching Arrangement

An arrangement to provide switching between two Voiceband Special Access Services. This arrangement may require a Voiceband control circuit to control the switching arrangement at an additional charge.

g) Automatic Protection Switch

Consists of special switching equipment placed at both ends of a duplicate DS1 facility (i.e., DS1, High Capacity Circuit) for automatic switching to the duplicate (standby) facility in the event the active facility is inoperative.

Duplicate facilities may terminate at a serving wire center, a CDL or both. The option provided under this document only includes the APS(s) located at a serving wire center(s). When the duplicate facility terminates at a CDL, the customer will be responsible for providing the associated APS and ensuring it is compatible with the Telephone Company provided switch if appropriate.

The duplicate facilities are not a part of this supplemental feature.

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VOICE GRADE SERVICES (cont.)

A. Description (cont.)

2. Description of Supplemental Features (cont.)

h) Improved Termination Option

Improved Termination provides for a fixed 600 ohm impedance, an increased range of transmission levels, and simplex reversal (when applicable) on an effective four-wire channel. This optional feature is available with most Voiceband services with a four-wire point of termination. Telephone Company equipment is required at the customer's premises where this option is ordered.

The Improved Termination option will be ordered and rates and charges, as set forth in this document, will apply on a per SAL basis.

i) Improved Equal Level Echo Path Loss Option – ELEPL-2

This option provides echo control parameters for an effective two-wire channel at a four-wire point of termination. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

The term "Equal Level Echo Path Loss" (ELEPL) represents the measure of Echo Path Loss (EPL) at a four-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP), i.e., $ELEPL = EPL - TLP(\text{send}) + TLP(\text{receive})$.

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in this document.

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VOICE GRADE SERVICES (cont.)

A. Description (cont.)

3. Four-Wire/Two Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Channel Termination rate.

B. Terminating Options

1. Two-Wire Voice Grade, Non-Data, Without Signaling

This option provides a two-wire interface to a customer and terminates an effective two-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voice band. Customer provided voiceband signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

2. Four-Wire Voice Grade, Non-Data, Without Signaling

This option provides a four-wire interface to the customer terminal equipment and terminates an effective four-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voiceband. Customer provided voice band signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

3. Voice Grade Data Termination

This option provides a two-wire or four-wire transmission interface to a customer's private line data modem and terminates an effective four-wire facility furnished for voiceband data transmission.

4. Two-Wire Voice Grade Station Connecting Facility Termination

This option provides a means to terminate an effective two-wire facility or an effective four-wire facility with a two-wire customer interface on a telephone, key system, PBX, ACD, or similar equipment. This option is normally used to terminate facilities that furnish foreign central office service, the station end of PBX off premises service, or private switched service network access lines. The option provides both the transmission and loop signaling functions normally associated with these services. The option is also used to terminate facilities arranged with automatic ringdown signaling. This option provides the loop and ringdown signaling with the facility.

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VOICE GRADE SERVICES (cont.)

B. Terminating Options (cont.)

5. Four-Wire Voice Grade Station Connecting Facility Termination

A terminating option similar to (4) preceding used to terminate effective four-wire foreign central office service. The option provides a four-wire transmission interface to the customer terminal equipment and the loop signaling function normally associated with these services. This option provides the loop and ringdown signaling with the facility.

6. Two-Wire Station Connecting Facility Termination for the Open End of an Off Premises PBX Extension

Terminating options are available depending on the signaling range of the PBX (or similar system) as defined in Part 68 of the FCC Rules and Regulations. Type 1 is an option requiring range extension equipment at the CDL. Type 2 is an option with no range extension equipment at the CDL. If needed, the loop signaling range equipment for Type 1 must be specifically specified.

7. Dial Repeating Tie Trunk Termination

Two network terminating options are provided for terminating effective four-wire transmission facilities used to furnish dial repeating tie trunk services. These options are described in terms of the interface they provide to a PBX (or similar system).

- a) A Type I tie line termination provides the customer with a two-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling interface options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M type signaling with the facility.
- b) A Type III tie line termination provides the customer with a four-wire transmission interface and includes either two-wire or four-wire E&M type signaling. Transmission and signaling options available are described in Part 68 of the FCC Rules and Regulations. This option provides the E&M signaling with the facility.

C. Basic rate categories were listed previously.

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DIGITAL DATA SERVICE

A. Service Description

1. Digital Data Service is a digital transmission service that provides for the transmission of digital data only and is furnished via digital transmission facilities. The service provides for the simultaneous two-way transmission of synchronous digital signals at speeds of 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps between two or more points within a LATA.
2. Digital Data Service is designed to meet or exceed a performance objective of 99% error-free seconds of transmission per 1000 seconds on a daily basis and 99.9% availability on an annual basis when measured through the digital termination equipment.

B. Definitions

1. Bridging – Provides for the parallel connection of one virtual circuit to another virtual circuit without interrupting the integrity or continuity of the first. This service is only available from a Company-designated digital hub.
2. Digital Service Unit/Channel Service Unit (DSU/CSU) – Equipment provided by the customer to terminate a digital circuit on the customer's premises. In addition, a DSU/CSU performs amplification, signal shaping and remote loop-back functions.
3. Interoffice Channel – The transmission circuit between Serving Wire Center of the customer's designated premises and the Company's Serving Wire Centers within a LATA. The Company determines the exact manner of the provisioning of an interoffice Channel.
4. Intraoffice Channel – Point-to-Point or Multi-Point (three or more) circuits that connect through only one (1) Serving Wire Center.
5. Local Channel Termination – The circuit from the customer's premises to the Serving Wire Center.

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DIGITAL DATA SERVICE (cont.)

B. Definitions (cont.)

6. Nonrecurring Charge (NRC) – A one-time charge for the initial installation, the installation of functions and features, and service rearrangements.
7. Primary Channel – The channel that operates parallel with the secondary channel over the same physical facility, but a higher bit rate.
8. Serving Wire Center (SWC) – The local telephone central office assigned to subscribers in a predetermined geographic area.

C. General Regulations

1. Digital Data Service is furnished for duplex operation between two or more points within a LATA. The regulations and rates specified in this document are in addition to the applicable regulations and rates specified in other tariffs and other sections of this document.
2. Digital Data Service is furnished for intraexchange and interexchange and is subject to the availability of digital facilities as determined by the Company.
3. Digital Data Service is furnished on a twenty-four hours per day, seven-day per week basis. The minimum service period is three (3) months. Digital Data Service may be ordered on a month-to-month basis or under an Optional Payment Plan of 1, 2, 3, and 5 years.
4. Suspension of service at the customer's request, as defined in this document, is not allowed.
5. A DSU/CSU or other appropriate digital terminating equipment is required at the customer's premises to provide the proper interface between the Company's network and the customer's equipment.

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DIGITAL DATA SERVICE (cont.)

C. General Regulations (cont.)

6. The design, maintenance and operation of Digital Data Service is based on communications originating or terminating at the customer's stations. The Company does not represent this service as adaptive for any other purpose and is not responsible for any use other than that intended.
7. Digital Data Service as furnished by the Company may be connected to other services furnished by the Company.
8. Whenever facilities are provided jointly by the Company and one or more other telephone companies, the regulations, rates and charges of such other telephone companies apply for the equipment and facilities furnished by them for use in connection with the interexchange Digital Data Service provided by the Company.
9. The Company will provide a digital facility over current interoffice carrier equipment where technically feasible. If new equipment and facilities or changes to existing facilities are required to provision Digital Data Service, Special Construction Charges may apply in addition to the rates in this document.
10. A Termination Liability Charge may be applicable at the date of termination and can be computed under the conditions specified in this document.
11. The customer is responsible for payment of a Trouble Location Charge for visits by the Company to the customer's premises when a service difficulty resulting in a trouble report is caused by the use of equipment or facilities provided by the customer.
12. Nonrecurring Charges will apply to all changes made to a customer's Digital Data Service at the customer's request. These changes are defined as additions, deletions and rearrangements of the customer's Digital Data Service configuration. Service Connection Charges as specified in this document also apply as appropriate.

D. Obligations of the Company

1. The responsibility of the Company is limited to the furnishing and maintenance of service to a network interface on the customer's premises where provisions are made to connect to the customer's terminal equipment.
2. The Company is not responsible for installation, operation or maintenance of any customer owned terminal equipment or communication system. Digital Data Service is not represented as adapted to the use for such equipment or systems. The Company is not responsible for the through transmission of signals generated by such equipment or system, or for the quality of, or defects in, such transmission; or the reception of signals by such equipment or systems; or damage to terminating equipment or communications systems provided by a customer or authorized user due to testing.

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DIGITAL DATA SERVICE (cont.)

3. The Company is not responsible to the customer if changes in any of the facilities, operations or procedures of the Company used to provision Digital Data Service render any customer provided equipment, systems or facilities obsolete or affect their performance or require modification or alteration of them, provided that the Company has met any applicable information disclosure requirements otherwise required by law.
4. In order to maintain the quality of Digital Data Service, the Company reserves the right to perform preventative maintenance and software updates to the network. The Company has classified maintenance as follows:

- a) Scheduled Maintenance

Scheduled maintenance is performed for functions such as hardware and software upgrades and network optimization. The Company will perform these tasks in a maintenance window that is anticipated to minimize disruption of customer service and activity. The Company will provide advance notice of all scheduled maintenance.

- b) Demand Maintenance

Demand maintenance may occur as a result of unexpected events and is performed when Digital Data Service network elements are in jeopardy. The Company will perform this type of maintenance at its discretion. Due to the nature of demand maintenance, prior notification may not be possible; however, the customer will be informed when the maintenance has been completed.

E. Obligations of the Customer

1. The customer must provide a DSU/CSU or appropriate digital terminating equipment to connect a Digital Data Service digital facility. The customer must provide the terminal equipment to support the Secondary Channel. This equipment must comply with the technical requirements outlined in Parts 15 and 68 of the FCC's Rules and Regulations.
2. The customer is responsible for any necessary customer provided equipment adjustments or modifications, up to and including replacement, due to technological changes or rearrangements in the network.

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DIGITAL DATA SERVICE (cont.)

E. Obligations of the Customer (cont.)

3. The customer is responsible for testing, sectionalization and clearance of trouble conditions or service difficulties on any terminal equipment or communications systems connected to Digital Data Service unless such services are contracted for separately or are covered under other tariffed services.
4. Customer-provided terminal equipment or communications systems and the operating characteristics of such equipment or systems must not interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment or systems do not endanger the safety of the public or Company employees and do not require the change or alteration of Company equipment or facilities. Upon notice from the Company that such customer provided equipment is causing or is likely to cause such interference or hazard, the customer is required to take steps to remove or prevent such interference or hazard.
5. The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company.
6. Customers or users may create digital bit streams from Digital Data Service by use of their own derivation equipment. Such equipment may be connected for transmission of digital bit streams when connected through a customer-provided DSU/CSU equipment.
7. For maintenance purposes, upon request of the Company, the customer will be responsible for notifying the Company of the type of digital terminating equipment used.

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DIGITAL DATA SERVICE (cont.)

F. Service Components

1. Local Channel Termination

- a) A Local Channel Termination is furnished between a customer's designated premises and the Serving Wire Center. Point-to-Point applications have two (2) Local Channel Terminations. Multi-Point applications have a Local Channel Termination at each customer designated premises.
- b) The First Nonrecurring Charge for a Local Channel Termination is applicable for the first Local Channel Termination to a customer's designated premises only. For each additional Local Channel Termination to the same premises ordered at the same time, the Additional Nonrecurring Charge applies.

2. Interoffice Channel, Fixed

The Interoffice Channel, Fixed is a fixed monthly charge applicable for each circuit provisioned through two Serving Wire Centers or Central Offices.

3. Interoffice Channel, Per Mile

The Interoffice Channel is furnished on a circuit that requires interoffice mileage. Rates are based on airline distance between the two (2) Serving Wire Centers.

4. Bridging

Bridging applies when three or more Local Channel Terminations are required. One Bridging charge applies per Local Channel Termination.

G. Terminating Options

Provides DDS Special Access interface for use in providing simultaneous two-way transmission of sequential bipolar data signals at transmission speeds of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56 Kbps or 64 Kbps over four-wire facilities.

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HIGH CAPACITY SERVICE

A. Service Description

High Capacity Service is a digital transmission service that provides for the transmission of digital data only and is furnished via digital transmission facilities. The service provides for the simultaneous two-way transmission of synchronous digital signals at 1.544 Mbps between two points within a LATA.

High Capacity Service is designed to meet or exceed a performance objective of 99% error-free seconds of transmission per 1000 seconds on a daily basis and 99.9% availability on an annual basis when measured through the digital termination equipment.

B. Definitions

1. Digital Service Unit/Channel Service Unit (DSU/CSU) – Equipment provided by the customer to terminate a digital circuit on the customer's premises. In addition, a DSU/CSU performs amplification, signal shaping and remote loop-back functions.
2. Interoffice Channel – The transmission circuit between Serving Wire Center of the customer's designated premises and the Company's Serving Wire Centers within a LATA. The Company determines the exact manner of the provisioning of an Interoffice Channel.
3. Intraoffice Channel – Point-to-point circuits that connect through only one Serving Wire Center.
4. Local Channel Termination – The circuit from the customer's designated premises to the Serving Wire Center or from the customer's designated premise to a Company hub.
5. Nonrecurring Charge (NRC) – A one-time charge for the initial installation, the installation of functions and features and service rearrangements.

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HIGH CAPACITY SERVICE (cont.)

B. Definitions (cont.)

6. Serving Wire Center – The local telephone central office assigned to subscribers in a predetermined geographic area.
7. Fractional DS1 Channels – Fractional DS1 channels provide simultaneous, two-way transmission at contiguous bit rates of 112, 128, 224, 256, 336, and 384 Kbps. Fractional DS1 channels operate over the combined bandwidth of adjacent channels to create a contiguous bit rate.

C. General Regulations

1. High Capacity Service is furnished for simultaneous two-way transmission of digital signals at a speed of 128, 256, 384 Kbps and 1.544 Mbps between two points located within the same LATA. High Capacity Service may be terminated into Company switching equipment for the purpose of provisioning network interconnection to Mobile Service Providers. High Capacity Service may also terminate into Company switching equipment to provide Voice Access Service. The regulations and rates specified in this document are in addition to the applicable regulations and rates specified in other tariffs and other sections of this document.
2. High Capacity Service is furnished for intraexchange and interexchange and is subject to the availability of digital facilities as determined by the Company.
3. Each High Capacity Service facility is comprised of two (2) Local Channel Terminations. Where both premises are served by the same wire center, the service will consist of two (2) Local Channel Terminations. Where each premises is served by different wire centers, the service will consist of two (2) Local Channel Terminations and the applicable interoffice Channel – Fixed and Interoffice Channel – Per Mile charges.

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HIGH CAPACITY SERVICE (cont.)

C. General Regulations (cont.)

4. High Capacity Service is furnished on a twenty-four hours per day, seven-day per week basis. The minimum service period is three (3) months. High Capacity Service may be ordered on a month-to-month basis or under a Term Discount Plan for fixed periods of 1, 2, 3 and 5 years.
5. Temporary Suspension of Service at the customer's request, as defined in this document, is not allowed.
6. A DSU/CSU or another appropriate digital terminating equipment is required at the customer's premises to provide the proper interface between the Company's network and the customer's equipment.
7. The design, maintenance and operation of High Capacity Service is based on communications originating or terminating at the customer's stations. The Company does not represent this service as adaptive for any other purpose and is not responsible for any use other than that intended.
8. High Capacity Service as furnished by the Company may be connected to other services furnished by the Company.
9. Fractional DS1 channels provide simultaneous, two-way transmission at contiguous bit rates of 112, 128, 224, 256, 336, and 384 Kbps. Fractional DS1 Channels operate over the combined bandwidth of adjacent channels to create a contiguous bit rate. Due to technical limitations associated with the provision of Fractional DS1 Channels, this service will be offered only in end offices where a compatible channel bank exists and the distance between the central office and the customer designated premises is less than or equal to twelve thousand (12,000) feet.
10. The customer must furnish appropriate digital terminating equipment on the customer premises. To ensure satisfactory operation, digital terminating equipment provided by the customer must be compatible with High Capacity Service.

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HIGH CAPACITY SERVICE (cont.)

C. General Regulations (cont.)

11. The rates specified for High Capacity Service contemplate the provision of a digital quality facility over existing intraoffice and interoffice equipment and facilities compatible with this service. If new equipment or changes to existing facilities are required to provide this service, Special Construction Charges will apply in addition to the rates for High Capacity Service.
12. The Term Discount Plan (TDP) provides for rates to be discounted based on the length of the service commitment period selected by the customer. If the customer chooses to disconnect all or a portion of the TDP service prior to the expiration of the TDP period, a Termination Liability Charge will apply to those circuits that are disconnected under the conditions specified in this document.
13. Whenever facilities are provided jointly by the Company and one or more other telephone companies, the regulations, rates and charges of such other telephone companies apply for the equipment and facilities furnished by them for use in connection with the interexchange High Capacity Service provided by the Company.
14. The Company will provide a digital facility over current interoffice carrier equipment where technically feasible. If new equipment and facilities or changes to existing facilities are required to provision High Capacity Service, Special Types of Construction or Facilities may apply.
15. The customer is responsible for payment of a Maintenance of Service Charge for visits by the Company to the customer's premises when a service difficulty resulting in a trouble report is caused by the use of equipment or facilities provided by the customer.

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HIGH CAPACITY SERVICE (cont.)

C. General Regulations (cont.)

16. Nonrecurring Charges will apply to all changes made to a customer's High Capacity Service at the customer's request. These changes are defined as additions, deletions and rearrangements of the customer's High Capacity Service configuration. Service Connections, Changes, and Moves as specified in this document also apply as appropriate.

D. Obligations of the Company

1. The responsibility of the Company is limited to the furnishing and maintenance of service to a network interface on the customer's premises where provisions are made to connect to the customer's terminal equipment.
2. The Company is not responsible for installation, operation or maintenance of any customer owned terminal equipment or communication system. High Capacity Service is not represented as adapted to the use for such equipment or systems. The Company is not responsible for the through transmission of signals generated by such equipment or system, or for the quality of, or defects in, such transmission; or the reception of signals by such equipment or systems; or damage to terminating equipment or communications systems provided by a customer or authorized user due to testing.
3. The Company is not responsible to the customer if changes in any of the facilities, operations or procedures of the Company used to provision High Capacity Service render any customer provided equipment, systems or facilities obsolete or affect their performance or require modification or alteration of them, provided that the Company has met any applicable information disclosure requirements otherwise required by law.

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HIGH CAPACITY SERVICE (cont.)

D. Obligations of the Company (cont.)

4. In order to maintain the quality of High Capacity Service, the Company reserves the right to perform preventative maintenance and software updates to the network. The Company has classified maintenance as follows:

- a) Scheduled Maintenance

Scheduled maintenance is performed for functions such as hardware and software upgrades and network optimization. The Company will perform these tasks in a maintenance window that is anticipated to minimize disruption of customer service and activity. The Company will provide advance notice of all scheduled maintenance.

- b) Demand Maintenance

Demand maintenance may occur as a result of unexpected events and is performed when Company network elements are in jeopardy. The Company will perform this type of maintenance at its discretion. Due to the nature of demand maintenance, prior notification may not be possible; however, the customer will be informed when the maintenance has been completed.

E. Obligations of the Customer

1. The customer must provide a DSU/CSU or appropriate digital terminating equipment to connect a High Capacity Service digital facility. The customer must provide the terminal equipment to support the Secondary Channel. This equipment must comply with the technical requirements outlined in Parts 15 and 68 of the FCC's Rules and Regulations.
2. The customer is responsible for any necessary customer provided equipment adjustments or modifications, up to and including replacement, due to technological changes or rearrangements in the network.

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HIGH CAPACITY SERVICE (cont.)

E. Obligations of the Customer (cont.)

3. The customer is responsible for testing, sectionalization and clearance of trouble conditions or service difficulties on any terminal equipment or communications systems connected to High Capacity Service unless such services are contracted for separately or are covered under other services.
4. Customer-provided terminal equipment or communications systems and the operating characteristics of such equipment or systems must not interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment or systems do not endanger the safety of the public or Company employees and do not require the change or alteration of Company equipment or facilities. Upon notice from the Company that such customer provided equipment is causing or is likely to cause such interference or hazard, the customer is required to take steps to remove or prevent such interference or hazard.
5. The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company without the prior written consent of the Company.
6. Customers or users may create digital bit streams from High Capacity Service by use of their own derivation equipment. Such equipment may be connected for transmission of digital bit streams when connected through a customer-provided DSU/CSU equipment.
7. For maintenance purposes, upon request of the Company, the customer will be responsible for notifying the Company of the type of digital terminating equipment used.

F. Terminating Options

1. High Capacity Digital DS1*

Provides a High Capacity Digital DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 1.544 Mbps.

* High Capacity DS1 and DS3 services may be provided between service areas where facilities and

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HIGH CAPACITY SERVICE (cont.)

F. Terminating Options (cont.)

2. High Capacity Digital DS1C

Provides a High Capacity Digital DS1C Special Access Interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 3.152 Mbps.

3. Fractional T1 Service

Provides a DS1 Special Access Interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals and is limited to groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6.

4. High Capacity Digital DS3*

Provides a High Capacity Digital DS3 Special Access Interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 44.736 Mbps. The Telephone Company will provide either an interface with Telephone Company electronics (electrical) or an interface without Telephone Company electronics (optical) as specified by the customer. EIS is not available with DS3 services provided with an optical interface.

5. High Capacity Digital DS3C

Provides a High Capacity Digital DS3C Special Access Interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case, an electromagnetic interface is provided, or unless the customer requests an electrical interface.

6. High Capacity Digital E1

Provides a High Capacity Digital E1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 2.048 Mbps and is only provided with an electrical interface. Before confirming the order for E1 service, the Telephone Company will verify the availability of fiber optic facilities at the CDL. Where suitable fiber optic facilities do not exist, customers may request the Telephone Company to provide such facilities at additional charge.

* High Capacity DS1 and DS3 services may be provided between service areas where facilities and conditions permit.

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OPTIONAL PAYMENT PLAN FOR DIGITAL DATA SERVICE AND HIGH CAPACITY SERVICE

A. Optional Payment Plan (OPP)

1. General

- a) The terms and conditions specified herein are applicable to FT1 and DDS services. Additional terms and conditions for FT1 OPP are set forth in 8.A.7.H. Additional terms and conditions for DDS are set forth in 8.A.7.I.
- b) Only the Special Access Line (SAL) rate element is available under an OPP. All other associated rate elements or additional features are available at the standard month-to-month rates and regulations.
- c) FT1 OPP SAL rates will not be greater than standard month-to-month SAL rates.
- d) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP will flow through to the three year and five year OPP.
- e) Payment periods of one year, three years, and five years are available to all customers at the applicable rates set forth in this document regardless of when they subscribe to an OPP arrangement.
- f.) The customer must designate on the order the payment period for the OPP.
- g) Inside moves will not incur termination liability charges.
- h) Outside moves will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

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OPTIONAL PAYMENT PLAN FOR DIGITAL DATA SERVICE AND HIGH CAPACITY SERVICE (cont.)

B. Changes in Length of OPP Period

Prior to the completion of the selected OPP period, the customer may elect to convert to a new OPP 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 OPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- 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 apply.

C. Renewal Options

1. At the expiration of an OPP period, 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.
2. Conversion to a different OPP period will require the customer to submit a change order. Conversion to a different OPP period will be allowed without application of any nonrecurring or ordering charges.
3. Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service. If no other changes are ordered, no NRCs will apply.

D. Notification of Discontinuance

An order for discontinuance of an OPP arrangement must be received by the Telephone Company at least thirty (30) days prior to actual disconnect of service. Monthly charges will apply for a period of thirty (30) days from the date the Telephone Company receives disconnect notification or until the requested disconnect date, whichever period is longer.

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OPTIONAL PAYMENT PLAN FOR DIGITAL DATA SERVICE AND HIGH CAPACITY SERVICE (cont.)

E. Upgrade to Higher Speed Service

Customers may elect to upgrade service(s) to a higher speed during an OPP period, subject to the following conditions:

- The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same points of terminations or meets the requirements.
- If the upgrade involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

F. Termination Liability

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 20% of the total monthly recurring charges in that time period.

G. Termination Without Liability

During an OPP period, should the currently effective rate for a customer’s service increase, the customer may, at his/her option, terminate the OPP arrangement without penalty or liability.

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OPTIONAL PAYMENT PLAN FOR DIGITAL DATA SERVICE AND HIGH CAPACITY SERVICE (cont.)

H. OPP for FT1 Service

A customer may change from DS1 OPP service to an FT1 OPP service subject to the following rate applications. Also, a customer may change the number of channels of an N x 56 Kbps or N x 64 Kbps service to another higher value of N (where N = 2, 4 or 6), subject to the following rate applications:

- The changed service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the changed service remains connected at the same points of terminations.
- If the change involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

I. OPP for DDS

1. For conversion of existing month-to-month DDS to an OPP arrangement, the customer will be required to submit a change order to convert to the OPP. No service or billing interruption will occur when a customer converts from month-to-month rates to OPP rates. If no other changes to the service are ordered, no charges will apply.
2. A customer may upgrade from a DDS OPP to an FT1 OPP subject to the following rate applications:
 - The changed service will be subject to all appropriate nonrecurring charges.
 - Termination liability charges will not apply as long as the changed service remains connected at the same points of terminations.

Service Catalog
Frontier Service Area - Resale

TERM VOLUME PLAN (TVP)

A. DS1 Term Volume Plan (TVP)

1. Description

The DS1 Term Volume Plan (TVP) allows customers discounts, which are applied to DS1 SALs based upon a volume and term commitment. The customer's DS1 SAL commitment level can be established on a nationwide basis or negotiated between the customer and the Telephone Company (i.e., state basis, regional basis, etc.). The TVP is offered for a 1, 2, 3 or 5 year term commitment period. All of the customer's TVP DS1 SALs will be billed at the same rate, based upon the length of the term selected by the customer and the threshold level in which the commitment quantity falls. All other associated rate elements or additional features are available at the standard month-to-month rates and regulations.

During the TVP term, the customer may elect to increase the term or commitment level of the plan without any Termination Liability, provided there is no lapse of time between the effective date of the increase and the termination of the previously effective term or commitment quantity.

The new term length begins on the same start day as the term length it replaces. There will not be any retroactive adjustments of a discount due to a customer-initiated change in term or commitment quantity.

B. Rate Application

For conversion of existing month-to-month DS1 service to a TVP arrangement, the customer will be required to submit written notification or a change order to convert to the TVP. No service or billing interruption will occur when a customer converts from month-to-month rates to a TVP. If no other changes to the service(s) are ordered, no charges will apply.

If a change involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center and the serving wire center of the customer designated location are the same.

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TERM VOLUME PLAN (TVP) (cont.)

C. Rate Changes

Rate changes in the TVP monthly recurring DS1 SAL rates will be passed on to subscribers of the plan. However, during the TVP period, should the rates increase, the customer may, at his/her option, terminate the TVP arrangement without penalty or liability, unless the increase is a result of FCC action.

D. Threshold Levels

Two or more DS1 SALs are required to qualify for a TVP. Rates are applied based on the following DS1 SAL threshold levels: 2-60, 61-120, 121-240, 241-500, 501-1000, 1001-3000, 3001-6000, 6001-11,000 and over 11,000.

E. Changes to Commitment Quantity or Term

At any time during the plan term, the customer may increase the commitment quantity of DS1 SALs or commitment term to receive a lower threshold rate by submitting written notification to the Telephone Company.

When a penalty is assessed at the annual review. The number of DS1 SALs in service will become the commitment quantity for the subsequent years' annual review.

The customer will be entitled to be assessed at a lower DS1 commitment level, without penalty if the Telephone Company sells off its assets.

F. TVP Plan Enrollment

When the customer elects to enroll in a TVP he/she must specify, in writing, the enrollment date (which will be the anniversary date) and the DS1 SAL commitment quantity. The specified enrollment date must be within 30 days of receipt. By the specified date, the customer must submit a request in writing or issue an order(s) to add DS1 SALs to the TVP and/or convert month-to-month arrangement DS1 SALs to the TVP to fall within the commitment quantity specified.

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TERM VOLUME PLAN (TVP) (cont.)

G. Annual Review

Each customer's TVP will be reviewed annually. The customer will be notified in writing as to the status of the TVP. If the in-service DS1 SAL quantity falls below the commitment quantity, an allowance of 3% will be considered as having met the commitment quantity. Where the customer does not meet the minimum quantity of DS1 SALs in service, penalties will be assessed.

If the number of DS1 SALs increases from the initial commitment, the customer will have the option of increasing the commitment level for the remainder of his/her TVP. If the customer chooses not to increase the commitment level, he/she may convert the increased number of DS1 SALs to a monthly plan or a second TVP plan.

The customer may decrease the commitment level at the time of the annual review and pay the applicable penalties for the amount of DS1 SALs being decreased. Penalties will apply as set forth in 8.A.8.I.

The customer will have 30 days from receipt of notification to convert DS1 SALs. If the customer does not take action during the 30 day period, the commitment level will be automatically changed to the number of TVP DS1 SALs in effect at the annual review.

H. TVP Conditions

If a DS1 service (circuit) consists of two DS1 SALs, both DS1 SALs must be in the TVP.

After enrolling in the plan, the customer may delete or add DS1 SALs rated at the specified term period/threshold level rate at any time during the plan. For example, if the customer subscribes to a 2 year TVP at the 61-120 DS1 SAL threshold level, DS1 SALs may be added at any time at the 2 year 61-120 threshold rate level.

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TERM VOLUME PLAN (TVP) (cont.)

I. Penalties for Failing to Meet Commitment

When the number of TVP DS1 SALs at the annual review is less than the commitment quantity minus 3%, the penalty will be the lowest TVP rate for the current threshold, multiplied by the shortfall multiplied by 4 months.

For example, if the commitment quantity is 100 and the customer has 90 DS1 TVP SALs at the time of the annual review, the penalty described below will be applied to the shortfall difference of 97 (3% less than 100), and 90.

- Current threshold level is 61-120, 5 year term
- In-service quantity at annual review = 90
- Shortfall is $97 - 90 = 7$
- Penalty is calculated as follows:

$$\$152.00^* \times 7 \times 4 \text{ months} = \$4,256.00 \text{ penalty}$$

*Lowest TVP MRC applied the customer

J. TVP Nonrecurring Charge

Customers subscribing to a TVP will be assessed a nonrecurring charge per DS1 SAL except when converting standard month-to-month DS1 SALs to a TVP.

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TERM VOLUME PLAN (TVP) (cont.)

K. Changes in Length of a TVP Period

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

- No credit will be given for the new payment period for payments made under the original TVP arrangement.
- NRCs will not be reapplied for existing service(s).
- If the new TVP period is shorter in length than the time remaining under the existing TVP, the change to the new TVP period constitutes a disconnect of the existing TVP and termination liability charges will apply.

L. Renewal Options

At the expiration of a TVP period, the customer may select a new TVP period or convert to a month-to-month payment plan. If the customer fails to make this selection, the Telephone Company will notify the customer and continue two additional months of TVP billing. If the customer does not select a new payment plan within 60 days from the expiration date, billing will remain at the current threshold level and a new TVP period will begin based on the previously effective term and quantity commitment. All terms and conditions including Termination Liabilities will apply to the new TVP period.

M. Upgrade to Higher Speed Service

The customer may upgrade service to a higher speed during a TVP period. The upgraded service will be subject to appropriate NRCs.

If the following conditions exist, no termination liabilities will be applied for the decreased number of TVP SALs that are upgraded to a higher speed service.

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TERM VOLUME PLAN (TVP) (cont.)

M. Upgrade to Higher Speed Service (cont.)

- The customer must notify the Telephone Company in writing, in addition to the order.
- The higher speed service period must be equal to or longer in length than the time remaining under the TVP.
- The upgraded service remains connected at the same point(s) of termination.

When TVP DS1 SALs are upgraded to an Optical Networking arrangement, the number of DS1 SALs upgraded will remain in the quantity count for the purpose of determining the applicable threshold level rate.

N. Termination Liability

When a TVP arrangement is discontinued prior to the end of the commitment period, termination liability charges, as set forth below, will apply based on the remainder of the TVP period in effect at the time of disconnect.

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

Two Year TVP – 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second year, the customer will be liable for 5% of the total monthly recurring charges in that period.

Three Year TVP – 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 TVP – 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 15% of the total monthly recurring charges in that time period.

O. Termination Without Liability

During a TVP period, should the currently effective rate for a customer's service increase, the customer may, at his/her option, terminate the TVP arrangement without penalty or liability, unless the increase is a result of FCC action.

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SERVICE COMPONENTS

A. Local Channel Termination

1. A Local Channel Termination is furnished between a customer's designated premises and the Serving Wire Center or between a customer's designated premises and the Company hub.
2. The First Nonrecurring Charge for a Local Channel Termination is applicable for the first Local Channel Termination to a customer's designated premises only. For each additional Local Channel Termination to the same premises ordered at the same time, the Additional Nonrecurring Charge applies.

B. Interoffice Channel, Fixed

The interoffice Channel, Fixed is a fixed monthly charge applicable for each circuit provisioned through two Serving Wire Centers or Central Offices.

C. Interoffice Channel, Per Mile

The Interoffice Channel is furnished on a circuit that requires interoffice mileage. Rates are based on airline distance between two (2) Service Wire Centers.

D. Fractional DS1 Channels

Fractional DS1 Channels provide simultaneous, two-way transmission at contiguous bit rates of 112, 128, 224, 256, 336 and 384 Kbps. Fractional DS1 Channels operate over the combined bandwidth of adjacent channels to create a contiguous bit rate.

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SERVICE COMPONENTS (cont.)

E. Description of Multiplexing Arrangements

Multiplexing Arrangements provide the function to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS1C may be de-multiplexed to two DS1 facilities and then the DS1 facilities may be further de-multiplexed to 24 Voiceband channels.

When cascading multiplexing is performed in the same or different Hub Wire Center, a charge for the additional multiplexing unit will also apply. When cascading multiplexing is performed at a different Hub Wire center, Special Transport will also apply between the involved Hub Wire Centers.

Listed below are the multiplexing arrangements offered under this document.

1. Group to Voice

An arrangement that multiplexes twelve voice grade circuits to a single wideband analog group band circuit, or multiplexes a single wideband analog group band circuit to twelve voice grade circuits.

2. Supergroup to Group

An arrangement that multiplexes five wideband analog group band circuits to a single wideband analog supergroup band circuit, or multiplexes a single wideband analog supergroup band circuit to five wideband analog group band circuits.

3. Mastergroup to Supergroup

An arrangement that multiplexes ten wideband analog supergroup band circuits to a single wideband analog mastergroup band circuit, or multiplexes a single wideband analog mastergroup band circuit to ten wideband analog supergroup band circuits.

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SERVICE COMPONENTS (cont.)

E. Description of Multiplexing Arrangements (cont.)

4. DS1 to Voice

An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits. If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface. Multiple channels may be required to provide individual Program Audio Channels.

Up to 16 channels of this DS1 can be used for Direct Digital Service (DDS-like service) with the assurance that circuit performance parameters will be met. If more than 16 channels are used for DDS-like service, the performance parameters for the DS1 and all circuits riding the DS1 will not be guaranteed.

FT1 can be used in conjunction with DS1 to Voice Multiplexing in groupings of $N \times 56$ Kbps or $N \times 64$ Kbps where $N = 2, 4$ or 6 , to a single DS1 digital circuit at a rate of 1.544 Mbps.

5. DS1C to Voice

An arrangement that multiplexes forty-eight voice grade circuits to a single DS1C digital circuit at a rate of 3.152 Mbps, or multiplexes a single DS1C digital circuit at a rate of 3.152 Mbps to forty-eight voice grade circuits.

6. DS1C to DS1

An arrangement that multiplexes two DS1 digital circuits to a single DS1C digital circuit at a rate of 3.152 Mbps, or multiplexes a single DS1C digital circuit at a rate of 3.152 Mbps to two DS1 digital circuits.

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SERVICE COMPONENTS (cont.)

E. Description of Multiplexing Arrangements (cont.)

7. DS3 to DS1 and/or E1

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits.

In addition, where E1 service is available, this arrangement is capable of multiplexing:

- a) twenty-one E1 digital circuits
- b) four DS1 and eighteen E1 digital circuits
- c) eight DS1 and fifteen E1 digital circuits
- d) twelve DS1 and twelve E1 digital circuits
- e) sixteen DS1 and nine E1 digital circuits
- f) twenty DS1 and six E1 digital circuits
- g) twenty-four DS1 and three E1 digital circuits

to a single DS3 digital circuit at a rate of 44.736 Mbps, or a single DS3 digital circuit at a rate of 44.736 Mbps to one of the combinations set forth in (a) through (g) above.

8. DS3C to DS1

An arrangement that multiplexes fifty-six DS1 digital circuits to a single DS3C digital circuit at a rate of 89.472 Mbps, or multiplexes a single DS3C digital circuit at a rate of 89.472 Mbps to fifty-six DS1 digital circuits.

9. Group to DS1

An arrangement that multiplexes two wideband analog groupband circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.514 Mbps to two wideband analog groupband circuits.

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SERVICE COMPONENTS (cont.)

E. Description of Multiplexing Arrangements (cont.)

10. Digital Data Carrier Multiplexer

An arrangement that multiplexes a single DS1 1.544 Mbps digital circuit to twenty-three DSO digital ports for connection to either a subrate data multiplexer as described below or 56 Kbps digital circuits.

11. Digital Data Subrate Multiplexer

Used with cascading multiplexing, the Digital Data Subrate Multiplexer is an arrangement that multiplexes the following quantities of subrate digital data circuits into a single DSO digital port: 1) twenty 2.4 Kbps, 2) ten 4.8 Kbps or 3) five 9.6 Kbps. In turn, the DSO digital port is then multiplexed to a single DS1 digital circuit using the Digital Data Carrier Multiplexer described below.

F. Clear Channel Capability

An arrangement that allows the customer to transport 1.536 Mbps of information through a DS1 with no constraint on the quantity or sequence of one (mark) and zero (space) bits utilizing the Bipolar with Eight Zero Substitution (B8ZS) method of providing bit sequence independence. This arrangement is capable of transporting DS1 signals which utilize Superframe or Extended Superframe format (ESF) as defined by the American National Standards Institute (ANSI) T1.107-1988 standard. This arrangement requires the customer signal at the channel interface to conform to the B8ZS method of providing bit sequence independence.

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CHANNELIZED DS-1

A. Basic Description

Channelized DS-1 provides channelization capability for the customer at the company's central office. Channelized DS-1 is provided in packets based upon multiple voice grade channel equivalents (DS0) where 24 voice grade channels are equal to a DS-1. The service provides local channels or interoffice channels for network access, Centrex station lines, off-premise extensions and digital data lines.

Channelization is provided by D type channel banks. The customer may channelize all or part of a DS-1 to activate voice and data facilities. Individual channels may be connected with service offerings in other parts of this document as appropriate.

The Customer must provide the Network Channel Terminating Equipment associated with the high capacity channel at the Customer's premise. Customer equipment must be compatible with the Company provided channelization at the central office. The customer must be prepared to activate his portion of joint service in a timely manner on the negotiated due date.

A channel with the technical specifications of HC1 will be capable of an error free performance of 98.75% over a continuous twenty-four (24) hour period as measured at the rate of 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications in Technical Reference PUB 62411.

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DS3 HIGH CAPACITY SERVICE*

A. DS3 Rate Structure

Option 1: (System DS3s) SALs are provided as one of two system offerings: 3 System and Unlimited System. SAL rates for System DS3s vary dependent on whether the interface provided is electrical or optical. Additional SALs may only be added with the same interface with Telephone Company electronics or without Telephone Company electronics (electrical or optical) as the First System. All DS3 SALs are non-distance sensitive.

Under a 3 System DS3, additional DS3 SALs, up to a maximum of two, may be ordered by the same customer, between the same CDL and serving wire center.

Under an Unlimited System DS3, additional SALs, with no maximum, may be ordered by the same customer, between the same CDL and serving wire center.

Group System DS3s are limited to those services so equipped and in service as of March 4, 1999. Group System DS3s provide a total capacity of 12 (DS3 x 12) or 24 (DS3 x 24) DS3 SALs. All DS3s in a Group System must be between the same CDL and serving wire center.

Option 2: (Individual DS3) This option provides individual DS3 service. Before confirming the order for this option, the Telephone Company will verify the availability of a DS3 interface at the CDL. If a DS3 interface can be made available with no physical change to the existing configuration at the CDL, the order will be confirmed and processed. If this condition is not met, the customer will be advised and no charge will be assessed for the unprocessed order. The customer may then cancel the order or submit a new order for one of the services available under Option 1.

SAL rates for individual DS3s vary dependent on whether the interface provided is electrical or optical.

* High Capacity DS1 and DS3 services may be provided between service areas where facilities and conditions permit.

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DS3 HIGH CAPACITY SERVICE (Cont.)

A. DS3 Rate Structure (Cont.)

A DS3 SAL provides a spare transmission path (transmit and receive) connected to an automatic protection switch. In the event of failure in the primary service, traffic will be automatically transferred to the spare transmission facilities. The spare transmission path will normally be provided on the same route as the primary path. When a customer orders a DS3 SAL, the customer may request that the spare transmission path be provided via an alternate route provisioned as the Telephone Company may elect. If common points for the primary and alternate route become necessary, these points will be identified by the Telephone Company and provided to the ordering customer. Should the routing arrangement require special routing requirements specified by the customer, other rates and regulations as set forth in this document may be applicable.

A customer may order the same or different type of DS3 SALs for each CDL(s) at which DS3 service is terminated.

When a customer requests the disconnect of a DS3 service in the 3 System DS3 or Unlimited System DS3, an Additional System DS3 SAL must be disconnected first. When only the First DS3 service exists, that service will be disconnected.

Costs associated with Special Construction may apply.

DS3 Special Transport contains two rate elements, Special Transport Termination and Special Transport Facility. Special Transport Termination rates apply for the termination of each end of the interoffice facility. Special Transport Facility rates apply for each airline mile of the interoffice facility. Group System DS3* Transport Terminations (DS3 x 12 and DS3 x 24) and Group System DS3* Transport Facilities are only available when connected to at least one DS3 Group System* SAL or the same level (12 or 24). In addition, the Special Transport Facility and Special Transport Termination rates apply per DS3 Group of 12 or 24.*

* Limited to those services so equipped and in service as of March 4, 1999.

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DS3 HIGH CAPACITY SERVICE (Cont.)

B. Minimum Service Periods

Individual DS3s and System DS3s are offered under four minimum service periods, each with different rate levels. The minimum service periods are 1, 3, 5 and 7 years. The customer must specify the minimum service period at the time the service is ordered. First and Additional DS3 SALs (3 System DS3s and Unlimited System DS3s) can have a different minimum service period. However, each DS3 SAL of a two-point DS3 service must have the same minimum service period.

The customer may select a longer minimum service period at any time, without penalty or application of nonrecurring charges, to obtain the lower monthly recurring rates associated with a longer minimum service period. When the customer selects this option, no credit toward the new service period will be given for the amount of time they were under the shorter minimum service period. The new recurring charges will apply subsequent to the effective date of the new minimum service period.

C. Expiration of Service Period

At the expiration of a service commitment period, the customer may select a new DS3 commitment period. If the customer does not select a new minimum service period within 60 days from the expiration date, billing will remain at the current service period and a new DS3 minimum service period will begin based on the previously effective service period. All terms and conditions, including Subsequent Termination Liabilities, will apply to the new DS3 period.

Customers with expired service periods for the Individual System, Three System and Unlimited System DS3s, prior to the effective date of this document offering will have up to 180 days to select a new commitment service period. If the customer does not select a new service period within 180 days of the effective date of this document, billing will remain at the current service period and a new DS3 minimum service period will begin based on the last service period. The beginning date of the new service period will be the date immediately following the expiration date of the expired service period. This does not apply to the grandfathered DS3 Group System service offerings.

D. Discontinuance Without Liability – DS3 Minimum Service Period

Should the recurring charges for a customer's DS3 service increase, in aggregate, by more than 10% from the original recurring charges during the minimum service period, the customer may, at his/her option, terminate the DS3 service without penalty or liability.

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DS3 HIGH CAPACITY SERVICE (Cont.)

E. Discontinuance With Liability – DS3 Minimum Service Period

When a DS3 service is discontinued prior to the end of the minimum service period, the customer will be liable for a percentage of the total monthly charges for the remaining portion of the applicable minimum service period. This charge will be based on the rates in effect at the time of disconnect. There are two liability periods for DS3 service, “first liability period” and “subsequent liability period.” The “first liability period” is the period beginning from the establishment of the DS3 and is based on the customer’s initial commitment term for the DS3. The “subsequent liability period” is the period after the customer’s initial commitment term has expired and the customer wants to renew the DS3 service with the existing term period or select a new DS3 term period. The customer’s total liability for the “first liability period” or “subsequent liability period” is dependent upon the number of months remaining within the year that the service is discontinued times the liability rate for that year plus the total monthly charges for each annual period remaining in the “first liability period” or “subsequent liability period” times the applicable liability rate. The liability rates for each year of the minimum service period are as follows:

<u>Year in Which Service is Discontinued</u>	<u>1st Liability Period Rate</u>	<u>Subsequent Liability Period Rate</u>
1	45%	20%
2	30%	20%
3	25%	20%
4	20%	20%
5	20%	20%
6	20%	20%
7	20%	20%

For example, if a customer with a first liability period of seven years discontinues the DS3 service after six months within the 4th year, the customer will be liable for 20% of the total monthly charges for six months, 20% of the total monthly charges for the 5th year, 20% of the total monthly charges for the 6th year and 20% of the total monthly charges for the 7th year.

For example, if DS3 service is disconnected during the subsequent seven year liability period, the customer will be liable for 20% of the total monthly charges for the remaining months for each annual period remaining in the seven year minimum service period.

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DS3 HIGH CAPACITY SERVICE (Cont.)

E. Discontinuance With Liability – DS3 Minimum Service Period (Cont.)

Customers with a minimum service period arrangement of three years or greater established on or prior to September 17, 1992, who discontinue service are eligible for limitation of the termination liability as set forth below.

Customer liability will be calculated as previously stated but will be limited to:

The dollar difference between 1) the amount the customer has already paid and, 2) any additional charges that the customer would have paid for service if the customer had taken a shorter term offering corresponding to the term actually used.

For example, if a customer with a seven year minimum service period discontinues service six months after the end of the third year, the customer liability will not exceed:

$(\text{Three year monthly rate} - \text{Seven year monthly rate}) \times 42 \text{ months}$

F. Notification of Discontinuance

Notice of discontinuance must be given by the customer at least thirty days prior to actual discontinuance. Monthly charges will apply for a period of thirty days from the date the Company receives discontinuance notification or until the requested discontinuance date, whichever period is longer.

G. Upgrade to Higher Speed Service

Customers may elect to upgrade DS3 service(s) to a higher speed during a first liability period or subsequent liability period. The upgraded service will be subject to all appropriate NRCs.

If the following conditions exist, no termination liabilities will be applied:

- Both the existing and the new services 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(s) as the discontinued service.
- The fixed-period plan for the upgraded service(s) meets or exceeds the remaining length of the existing fixed-period plan.

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DS3 HIGH CAPACITY SERVICE (Cont.)

G. Upgrade to Higher Speed Service (Cont.)

- The total monthly rate of the new agreement is equal to or greater than the total monthly rate of the existing agreement period.
- The monthly rates for the upgraded services and/or service elements will be those in effect at the time of the service upgrade. The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same points of terminations.

H. DS3 Multiplexer Cross Connect Arrangement

For DS3 multiplexed services, the DS3 Multiplexer Cross Connect arrangement allows a customer to cross connect digital DS1 channels from one multiplexer to another multiplexer. The rates as specified in this document will apply per cross connect arrangement. If the DS3 multiplexed services are located in different hub wire centers, DS1 special transport will apply in addition to the DS3 cross connect charge. The customer must provide the channel assignments (CFA and SCFA) for both multiplexed services on the order.

HIGH VOLTAGE PROTECTION

A. Description

High Voltage Protection Service is used at customer locations that may require special equipment to isolate or neutralize Ground Potential Rise (GPR) and/or induced voltage caused by faults in the electric power system. GPR is a voltage difference between two or more ground electrodes caused by earth return currents. GPR on cable facilities can occur, for example, when current from lightning surges flow to ground, but GPR often is associated with voltage generated as the power system fault currents flow to ground. Maximum GPR is developed by the percentage of line-to-ground fault current entering earth through electrode impedance.

This feature will provide high voltage isolation for Special Access telecommunications, while enabling the normal transmission between the Telephone Company wire center and the equipment at the customer's location during GPR environment due to electrical power faults.

NETWORK ACCESS SERVICE

A. Basic Description

Network Access Service is applicable when local trunks of any nature are provisioned over Channelized DS-1 or ISDN PRI. These charges are for supplying the trunks in a digital channelized fashion rather than purchasing individual trunks delivered on an analog basis. There are no measured usage charges with network access service and all rates are a flat amount per month per trunk.

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PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS

	<u>Nonrecurring Charge</u>		
A. Special Access Ordering Charges			
Design Change per ASR/Per Occurrence	\$ 27.00		
B. Voice Band Facilities – Standard Arrangements			
Special Transport	<u>Special Access Line</u>		
Per Airline Miles	<u>Nonrecurring</u>	<u>Two-Wire</u>	<u>Four-Wire</u>
<u>Monthly Rate</u>	<u>Charge</u>	<u>Monthly Rate</u>	<u>Monthly Rate</u>
\$ 4.23	\$ 200.00	\$ 30.60	\$ 45.78
C. Voice Band Facilities – Optional Arrangements			
Supplemental Features	<u>Monthly Rate</u>		
Multipoint Data Bridging, Per Port	\$ 7.60		
Voice Conference Bridge, Per Port	\$ 7.60		
Supplemental Features Alarm Distribution Bridging			
Common Equipment	\$28.50		
Per Two-Wire Port	\$ 1.90		
Supplemental Features Conditioning Arrangements – Data			
Type C	\$ 1.43		
Type DA	\$ 1.90		
Type C – Improved	\$ 28.50		

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PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont'd.)

C. Voiceband Facilities – Optional Arrangements, (cont'd.)

	<u>Monthly Rate</u>
Supplemental Features	
Signaling Arrangement	
Loop Signaling Range Extension, Per SAL	\$ 9.50
Loop or E&M to SF, per SAL	\$15.20
E&M to DX, per SAL	\$13.30
E&M to Loop, per SAL	\$11.40
Loop or E&M to PCM, per SAL	\$ 3.80
Automatic Ringdown, per SAL	\$ 9.50
 Supplemental Features	
Echo Control	\$28.50
 Echo Cancellor, Per Circuit	\$80.75
 Supplemental Features	
Voiceband Facility Switching Arrangement	\$ 6.65
 Supplemental Features	
Improved Return Loss, per SAL	\$ 3.56
 Supplemental Features	
Improved Termination Option, Per SAL	\$ 9.50
 Supplemental Features	
Improved Equal Level Echo Path Loss, Per SAL	\$ 3.56

D. Digital Data Service Facilities – (2.4, 4.8, 9.6, 56, 64 Kbps) – Standard Arrangements

	<u>Monthly Rate</u>	
Supplemental Features		
All Speeds (Per Airline Mile)	\$ 5.60	
 Special Access Line	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.4, 4.8, 9.6, 19.2 Kbps	\$ 82.00	\$250.00
56, 64 Kbps	\$ 82.00	\$250.00

Service Catalog
Frontier Service Area - Resale

PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont'd.)

E. Digital Data Service Facilities - (2.4, 4.8, 9.6, 19.2, 56, 64 Kbps)
 Optional Payment Plan

	Special Access Line		
	1 Year <u>MRC</u>	3 Year <u>MRC</u>	5 Year <u>MRC</u>
2.4, 4.8, 9.6, 19.2 Kbps	\$ 70.30	\$ 60.80	\$ 59.47
56, 64 Kbps	\$ 81.70	\$ 79.80	\$ 76.57

F. Digital Data Service Facilities – Optional Arrangements

	<u>Monthly Rate</u>
Supplemental Features DDS Bridging, Per Port	\$ 10.45

G. Multiplexing Arrangements

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
DS1 to Voice	\$ 127.74	\$ 800.00
DS3 to DS1 and/or E1*	\$ 285.38	\$ 450.00
Digital Data Carrier	\$ 261.25	\$1,500.00
Digital Data Subrate Multiplexer	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
One DSO to Twenty 2.4 Kbps	\$ 152.00	\$800.00
One DSO to Ten 4.8 Kbps	\$ 114.00	\$800.00
One DSO to Five 9.6 Kbps	\$ 95.00	\$800.00

*Where E1 service is available

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Frontier Service Area - Resale**

PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont'd.)

H. High Capacity DS1 (1.544 Mbps) Facilities – Standard Arrangements

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Per Line	\$ 220.40	\$ 450.00

I. High Capacity Digital DS1 (1.544 Mbps) Facilities – Standard Arrangements

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Special Transport Termination	\$ 20.36	N/A
Special Transport, Per Airline Mile	\$ 7.57	N/A
Supplemental Features		
Automatic Protection Switching	\$ 95.00	\$700.00

J. High Capacity Digital FT1 Facilities – Standard Arrangement

	<u>Monthly Rate Per Line</u>	<u>Nonrecurring Charge Per Line</u>	<u>Special Transport</u>	<u>Special Transport Termination</u>
2 X 56 Kbps or 2 X 64 Kbps	\$ 111.43	\$450.00	\$ 5.70	\$ 19.00
4 X 56 Kbps or 4 X 64 Kbps	\$ 118.45	\$450.00	\$ 6.65	\$ 28.50
6 X 56 Kbps or 6 X 64 Kbps	\$ 125.48	\$450.00	\$ 7.60	\$ 38.00

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PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont'd.)

K. High Capacity Digital FT1 Facilities – Optional Payment Plan

	<u>One Year Monthly Rate Per Line</u>	<u>Three Year Monthly Rate Per Line</u>	<u>Five Year Monthly Rate Per Line</u>	<u>Special Transport</u>	<u>Special Transport Termination</u>
2 X 56 Kbps or 2 X 64 Kbps	\$ 104.50	\$ 94.05	\$ 83.60	\$ 5.70	\$ 19.00
4 X 56 Kbps or 4 X 64 Kbps	\$ 114.00	\$ 102.60	\$ 91.20	\$ 6.65	\$ 28.50
6 X 56 Kbps or 6 X 64 Kbps	\$ 123.50	\$ 111.15	\$ 98.80	\$ 7.60	\$ 38.00

1.1.1 L.....High Capacity Digital DS3 (44.736 Mbps) Facilities – Three System

First Special Access Line

<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
Protected DS3 – With Telephone Company Electronics				
\$2,500.00	\$1,406.00	\$1,178.00	\$1,052.60	\$ 988.00
Protected DS3 – Without Telephone Company Electronics				
\$1,875.00	\$1,076.35	\$ 906.30	\$ 798.00	\$ 751.25

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Frontier Service Area - Resale

PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont'd.)

1.1.2 L.. High Capacity Digital DS3 (44.736 Mbps) Facilities – Three System, (cont'd.)

Each Additional Special Access Line – Maximum of 2

<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
Protected DS3 – With Telephone Company Electronics				
\$1,000.00	\$1,054.50	\$ 883.50	\$ 789.45	\$ 741.00

Protected DS3 – Without Telephone Company Electronics				
\$ 750.00	\$ 807.26	\$ 679.73	\$ 598.50	\$ 563.35

M. High Capacity Digital DS3 (44.736 Mbps) Facilities – Unlimited System

First Special Access Line

<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
Protected DS3 – With Telephone Company Electronics				
\$4,500.00	\$4,029.90	\$3,425.46	\$3,089.64	\$2,753.81

Protected DS3 – Without Telephone Company Electronics				
\$3,375.00	\$2,742.89	\$2,331.54	\$2,103.06	\$1,874.35

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PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont'd.)

M. High Capacity Digital DS3 (44.736 Mbps) Facilities – Unlimited System, (cont'd.)

Each Additional Special Access Line

<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
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Protected DS3 – With Telephone Company Electronics

\$1,000.00	\$ 427.50	\$ 376.44	\$ 346.75	\$ 323.95
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Protected DS3 – Without Telephone Company Electronics

\$ 750.00	\$ 415.15	\$ 371.21	\$ 316.11	\$ 298.78
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N. High Capacity Digital DS3 (44.736 Mbps) Facilities – Individual System

Each Special Access Line

<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
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Protected DS3 – With Telephone Company Electronics

\$1,000.00	\$1,140.00	\$ 950.00	\$ 845.50	\$ 764.75
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Protected DS3 – Without Telephone Company Electronics

\$ 750.00	\$ 840.75	\$ 688.75	\$ 617.50	\$ 511.10
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Frontier Service Area - Resale**

PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont'd.)

O. High Capacity Digital DS3 (44.736 Mbps) Facilities – Special Transport
Monthly Rate

DS3 Special Transport Terminations

3 System Unlimited System,
 Individual Transport
 Per DS3, Per Termination \$ 285.00

DS Special Transport Facilities

3 System Unlimited System,
 Individual Transport
 Per DS3, Per Airline Mile \$ 25.73

P. High Capacity Digital DS3 (44.736 Mbps) Facilities

Nonrecurring Charge

DS3 Multiplexer Cross Connect Arrangement, per
 arrangement \$ 65.00

Q. DS1 Term Volume Plan

Special Access Line, Per DS1 SAL

One Year Term

Nonrecurring Charge,					
<u>All Thresholds</u>	<u>2 – 60</u>	<u>61 – 120</u>	<u>121 – 240</u>	<u>241 – 500</u>	<u>501 – 1000</u>
\$450.00	\$174.80	\$167.20	\$158.65	\$150.10	\$148.20
	<u>1001 – 3000</u>	<u>3001 – 6000</u>	<u>6001 – 11,000</u>	<u>Over 11,000</u>	
	\$146.30	\$145.35	\$143.45	\$141.55	

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PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont'd.)

Q. DS1 Term Volume Plan, (cont'd.)

Special Access Line, Per DS1 SAL, (cont'd.)

Two Year Term

Nonrecurring Charge, <u>All Thresholds</u>	<u>2 – 60</u>	<u>61 – 120</u>	<u>121 – 240</u>	<u>241 – 500</u>	<u>501 – 1000</u>
\$450.00	\$167.20	\$158.65	\$150.10	\$141.55	\$139.65
	<u>1001 – 3000</u>	<u>3001 – 6000</u>	<u>6001 – 11,000</u>	<u>Over 11,000</u>	
	\$138.70	\$136.80	\$134.90	\$133.00	

Three Year Term

Nonrecurring Charge, <u>All Thresholds</u>	<u>2 – 60</u>	<u>61 – 120</u>	<u>121 – 240</u>	<u>241 – 500</u>	<u>501 – 1000</u>
\$450.00	\$158.65	\$150.10	\$141.55	\$133.00	\$132.05
	<u>1001 – 3000</u>	<u>3001 – 6000</u>	<u>6001 – 11,000</u>	<u>Over 11,000</u>	
	\$130.15	\$128.25	\$126.35	\$125.40	

Five Year Term

Nonrecurring Charge, <u>All Thresholds</u>	<u>2 – 60</u>	<u>61 – 120</u>	<u>121 – 240</u>	<u>241 – 500</u>	<u>501 – 1000</u>
\$450.00	\$141.55	\$133.00	\$125.40	\$114.95	\$113.05
	<u>1001 – 3000</u>	<u>3001 – 6000</u>	<u>6001 – 11,000</u>	<u>Over 11,000</u>	
	\$112.10	\$110.20	\$108.30	\$106.40	

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Frontier Service Area - Resale

PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont’d.)

R. CyberDS1 Service

Rate Regulations

1. 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 service office. Cyber DS1 is available for data dialed access use.
2. CyberDS1 does not provide the function of analog to digital (or vice versa) conversions and no service types can be specified on the DS1.
3. Customers will be offered CyberDS1 on a month-to-month basis only.
4. These services will be available from the Company on a ling (partial channel) basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks.
5. 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.
6. 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 herein may be applicable.
7. CyberDS1 cannot be split between premises, or multiple locations within a premise.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
CyberDS1 Capacity, Each	\$ 712.50	\$ 500.00

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Frontier Service Area - Resale

PRIVATE LINE RATES AND CHARGES – SPECIAL ACCESS, (cont'd.)

S. High Voltage Protection

<u>Initial Common Equipment</u>		<u>Terminating Equipment</u>	
<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Per Circuit Terminated</u>	<u>Monthly Rate</u>
\$ 500.00	\$ 108.22	\$ 50.00	\$ 28.81

T. Clear Channel Capability

<u>Nonrecurring Charge, per termination point</u>	<u>Monthly Rate (CCO), per termination point</u>
\$ 90.00	\$ 22.80

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Frontier Service Area - Resale

DIGITAL CHANNEL SERVICE II

A. General

Digital Channel Service is comprised of the following components:

- Digital Channel Capacity
- Customer Premises Channelization
- Digital Channel Activation
- Service Activation

Service 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 elsewhere in this Price List may be applicable.

B. Digital Architecture

Digital Channel Service II differs in provisioning method and numbering format from end-to-end services. These services will be available from the Company on a link (partial channel) basis rather than as an end-to-end service.

The time required to provision service is known as the service date interval. The service date interval for Digital Channel Service II and related network services connected to Digital Channel Service II will differ from the normal guidelines applicable to end-to-end services.

C. Regulations

1. This service 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 will apply.
2. Interoffice transport mileage will apply when a customer requested Digital Channel Service II must be provisioned in a central office other than the customer's local serving office.
3. 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 necessary restrictions in total system capacities where certain types of services are channelized, ie., some channelizing equipment may require two DS0 channels per channel provided by the Company thereby reducing the basic system stated capacity substantially. The Company will notify the customer when the Digital Channel Capacity is affected.

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Frontier Service Area - Resale

DIGITAL CHANNEL SERVICE II, (cont'd.)

C. Regulations, (cont'd.)

4. 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 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.
- 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.

5. 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.

6. Trouble Resolutions

The company will assist the customer in resolving any installation or day-to-day channel service problems. However, the Company does not assume responsibility for the compatibility or suitability of the customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in a Premises Visit Charge as set forth in this Price List.

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Frontier Service Area - Resale

DIGITAL CHANNEL SERVICE II, (cont'd.)

C. Regulations, (cont'd.)

7. When a customer's Digital Channel Service II is interrupted due to any cause other than the negligence or willful act of the subscriber or the failure of the facilities provided by the subscriber, 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 document. The adjustment shall not be applicable for the time that the Company stands ready to repair the service and the subscriber does not provide access to the Company for such restoration work.

D. Application of Rates

1. Digital Channel Activation is a recurring charge for each digital channel (DS0) activated within the Digital Channel Capacity. The Digital Channel Activation is offered on a month-to-month basis. When Digital Channel Service II facilities are used to transport DS1 Service, the DS1 Service Activation charge is applied in lieu of the Digital Channel Activation charge.
2. 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. In addition, a network access charge may apply.
3. Customer Premises Channelization Capacity is an optional component. Channelization at the customer premises is available as a Company functionality at the rates described herein. In addition to this charge, a Customer Premises Service activation charge will apply for each network service with Company provided channelization. Otherwise, the customer has the option to support premises channelization with CPE devices.

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Frontier Service Area - Resale

DIGITAL CHANNEL SERVICE II, (cont'd.)

D. Application of Rates, (cont'd.)

4. The 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:
 - a. No Termination Liability Charge will be applicable for the Digital Channel Service II Capacity when the customer negotiates a new Term Payment Plan for the same equipment or larger system at the same location for a period of the time greater than the time remaining on the existing Term Payment Plan subject to payment periods of 36 months, 60 months, or 84 months.
 - b. All Digital Channel Service II components are conterminous 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.
5. 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 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.

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Frontier Service Area - Resale

DIGITAL CHANNEL SERVICE II, (cont'd.)

E. Rates and Charges

1. Nonrecurring Charges

Service Establishment Charge Per Digital Channel Service	\$ 370.00
Service Change Charge Per Digital Channel Service Each (increment of 24 channels)	\$ 80.00

2. Digital Channel Capacity

The rates for Digital Channel Capacity without activated services are as follows:

36 Month Contract

<u>Digital Channels</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
24	\$ 389.50	\$ 300.00
48	\$ 579.50	\$ 550.00
72	\$ 769.50	\$ 800.00
96	\$ 959.50	\$ 1,050.00
120	\$ 1,149.50	\$ 1,300.00
144	\$ 1,339.50	\$ 1,550.00
192	\$ 1,638.75	\$ 2,050.00
240	\$ 1,933.25	\$ 2,550.00
288	\$ 2,227.75	\$ 3,050.00
384	\$ 2,816.75	\$ 4,050.00
480	\$ 3,405.75	\$ 5,050.00
576	\$ 3,994.75	\$ 6,050.00
672	\$ 4,583.75	\$ 7,050.00
1344	\$ 8,706.75	\$ 14,050.00
2016	\$ 12,829.75	\$ 21,050.00

Service Catalog
Frontier Service Area - Resale

DIGITAL CHANNEL SERVICE II, (cont'd.)

E. Rates and Charges, (cont'd.)

2. Digital Channel Capacity, (cont'd.)

60 Month Contract

Digital Channels	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
24	\$ 361.00	\$ 300.00
48	\$ 532.00	\$ 550.00
72	\$ 703.00	\$ 800.00
96	\$ 874.00	\$ 1,050.00
120	\$ 1,045.00	\$ 1,300.00
144	\$ 1,216.00	\$ 1,550.00
192	\$ 1,486.00	\$ 2,050.00
240	\$ 1,743.25	\$ 2,550.00
288	\$ 1,999.75	\$ 3,050.00
384	\$ 2,512.75	\$ 4,050.00
480	\$ 3,025.75	\$ 5,050.00
576	\$ 3,538.75	\$ 6,050.00
672	\$ 4,051.75	\$ 7,050.00
1344	\$ 7,642.75	\$ 14,050.00
2016	\$ 11,233.75	\$ 21,050.00

84 Month Contract

Digital Channels	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
24	\$ 332.50	\$ 300.00
48	\$ 484.50	\$ 550.00
72	\$ 636.50	\$ 800.00
96	\$ 788.50	\$ 1,050.00
120	\$ 950.00	\$ 1,300.00
144	\$ 1,116.25	\$ 1,550.00
192	\$ 1,334.75	\$ 2,050.00
240	\$ 1,553.25	\$ 2,550.00
288	\$ 1,771.75	\$ 3,050.00
384	\$ 2,208.75	\$ 4,050.00
480	\$ 2,645.00	\$ 5,050.00
576	\$ 3,082.75	\$ 6,050.00
672	\$ 3,519.75	\$ 7,050.00
1344	\$ 6,863.75	\$ 14,050.00
2016	\$ 11,442.75	\$ 21,050.00

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Frontier Service Area - Resale

DIGITAL CHANNEL SERVICE II, (cont'd.)

E. Rates and Charges, (cont'd.)

2. Digital Channel Capacity, (cont'd.)

Month to Month Contract *

Digital Channels	<u>Monthly Rate</u>
24	\$ 332.50
48	\$ 484.50
72	\$ 636.50
96	\$ 788.50
120	\$ 950.00
144	\$ 1,116.25
192	\$ 1,334.75
240	\$ 1,553.25
288	\$ 1,771.75
384	\$ 2,208.75
480	\$ 2,645.75
576	\$ 3,082.75
672	\$ 3,519.75
1344	\$ 6,863.75
2016	\$ 11,442.75

* Month to Month rates are only available at the end of a 36, 60 or 84 month contract.

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DIGITAL CHANNEL SERVICE II, (cont'd.)

E. Rates and Charges, (cont'd.)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
3. Digital Channel Activation*		
Per Digital Channel Activated	\$ 2.85	\$ 6.00
4. Service Activation,		
Per Network Service		
a. Exchange Line/Trunk Or Centrex Line		
Rate Group I – III	\$ 3.33	\$ 39.00
Rate Group IV & V	\$ 5.70	\$ 39.00
Rate Group VI	\$ 9.50	\$ 39.00
b. Foreign Exchange, Off-Premises Extension, Private Line, or Tie Line	\$ 17.10	\$ 40.00
c. Digital Data Service 2.4 Kbps, 4.8 Kbps, or 9.6 Kbps	\$ 35.15	\$ 40.00
d. Digital Data Service 56 Kbps	\$ 37.05	\$ 40.00
e. DS1 Service – 1.544 Mbps	\$ 85.50	\$ 645.00
f. Switched Data Service	\$ 9.50	\$ 40.00
5. Network Access		
Additional Trunk Access, each trunk	\$ 38.00	

* Does not apply to DS1 Service

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DIGITAL CHANNEL SERVICE II, (cont'd.)

E. Rates and Charges, (cont'd.)

6. Customer Premises Channelization – Company Provided Equipment on Customer Premises

The rates for Customer Premises Channelization without activated services are as follows:

36 Month Contract

Digital Channels	<u>Monthly Rate</u>
24	\$ 171.95
48	\$ 192.85
72	\$ 276.45
96	\$ 298.30
120	\$ 381.90
144	\$ 402.80
192	\$ 580.45
240	\$ 685.90
288	\$ 790.40
384	\$ 1,088.70
480	\$ 1,371.80
576	\$ 1,581.75
672	\$ 1,879.10
1344	\$ 3,819.00
2016	\$ 5,640.15

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Frontier Service Area - Resale

DIGITAL CHANNEL SERVICE II, (cont'd.)

E. Rates and Charges, (cont'd.)

6. Customer Premises Channelization – Company Provided Equipment on Customer Premises, (cont'd.)

60 Month Contract

Digital Channels	<u>Monthly Rate</u>
24	\$ 164.35
48	\$ 184.30
72	\$ 265.05
96	\$ 285.00
120	\$ 364.80
144	\$ 385.70
192	\$ 555.75
240	\$ 656.45
288	\$ 756.20
384	\$ 1,041.20
480	\$ 1,311.95
576	\$ 1,512.40
672	\$ 1,797.40
1344	\$ 3,652.75
2016	\$ 5,395.05

84 Month Contract

Digital Channels	<u>Monthly Rate</u>
24	\$ 156.75
48	\$ 175.75
72	\$ 252.70
96	\$ 271.70
120	\$ 348.65
144	\$ 367.65
192	\$ 530.10
240	\$ 626.05
288	\$ 722.00
384	\$ 993.70
480	\$ 1,252.10
576	\$ 1,444.00
672	\$ 1,715.70
1344	\$ 3,486.50
2016	\$ 5,149.95

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DIGITAL CHANNEL SERVICE II, (cont'd.)

E. Rates and Charges, (cont'd.)

6. Customer Premises Channelization – Company Provided Equipment on Customer Premises, (cont'd.)

Month to Month Contract*

Digital Channels	<u>Monthly Rate</u>
24	\$ 156.75
48	\$ 175.75
72	\$ 252.70
96	\$ 271.70
120	\$ 348.65
144	\$ 367.65
192	\$ 530.10
240	\$ 626.05
288	\$ 722.00
384	\$ 993.70
480	\$ 1,252.10
576	\$ 1,444.00
672	\$ 1,715.70
1344	\$ 3,486.50
2016	\$ 5,149.95

* Month to month rates are only available at the end of a 36, 60 or 84 month contract.

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DIGITAL CHANNEL SERVICE II, (cont'd.)

E. Rates and Charges, (cont'd.)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
7. Customer Premises Service Activation, per channel		
a. Exchange Line/Trunk or Centrex Line	\$ 5.70	\$ 20.00
b. Foreign Exchange, Off-Premises Extension, Private Line, or Tie Line	\$ 5.70	\$ 20.00
c. Digital Data Service 2.4 Kbps, 4.8 Kbps, or 9.6 Kbps	\$ 14.25	\$ 20.00
d. Digital Data Service 56 Kbps	\$ 19.00	\$ 20.00
e. Switched Data Service	\$ 23.75	\$ 20.00

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

ISDN service allows for the integration of voice and non-voice (data) on a single telephone access line. ISDN service consists of a digital service line that provides digital termination capabilities to the customer's premise and allows for the simultaneous transmission of voice and data traffic. Basic service capabilities, customized features and optional features are available.

Service Description

- A. Digital Service Line – Provides the digital central office termination, via a Basic Rate Interface, that has the potential to support digital transmission of voice and data to the customer's premise. One digital service line comes standard with any ISDN class of service capabilities, customized features or optional features. Each digital service line comes equipped with the following standard features:
 - 1. Drop – Allows the user to drop the last party added to a three-way/conference call.
 - 2. Transfer – Allows the user to transfer a call to another terminal.
 - 3. Hold – Allows the user to place call on hold by pressing the function button.
 - 4. Three-way Calling – Allows the user to include a third party in the call.
- B. Circuit Switched Voice and Data Services – establishes a connection between two terminals where network resources are dedicated throughout the duration of the call.

Basic ISDN Service Capabilities

The digital service line provides a combination of up to two B Channels and one D Channel. Each B. Channel is capable of transmitting up to 64 Kbps for Circuit Switched Voice, Circuit Switched Data or High Speed Packet Switched Data. The D. Channel is a 16 Kbps channel and is used for signaling as well as transmission of packet switched data. The Company's Basic offering is a BRI with two B channels and one D channel. Other combinations are possible, and to the extent that other combinations do not incur significant additional company costs, the intent is for other ISDN combinations of channels to cost the same as the Basic BRI. Options that cannot be offered for the basic price will be configured and sold on an individual case basis.

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Frontier Service Area - Resale

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (cont.)

Regulations

- A. The rates specified for ISDN Service contemplate the availability of existing compatible facilities from the normal serving wire center which must be a digital ISDN equipped central office entity. If such facilities are required to provide ISDN Service, a charge based on the cost incurred may apply in addition to the rates for this service. These charges may be in the form of a nonrecurring and/or monthly charge.
- B. ISDN Service must include a digital service line and at least one (1) basic service capability.
- C. The minimum service period for ISDN Service is 12 months.
- D. An individual directory number will be assigned for each digital service line.
- E. The customer must provide Customer Premises Equipment (CPE) that complies with the ISDN requirements of the Company.

Termination Charges

- A. All termination charges will be based on the term prices in effect at the time of termination.

ISDN PRI

- A. ISDN PRI provides a method for high speed end-to-end DS1 capacity that provides the Customer access to switched services in the Company's Central Office. The service can carry voice, data and video simultaneously. Traffic can be inward or outward or a combination of both. This is controlled by the Customer's premise equipment.
- B. The minimum service period for ISDN PRI is six months.
- C. ISDN PRI is a service for the transmission of digital signals only
- D. The minimum service period of ISDN PRI is one month.
- E. A standard service consists of up to twenty-three "B" channels and one "D" channel at a total speed of 1.544 Mbps. The D channel is used for signaling. B channels are used for voice, data and/or video delivery.

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ISDN PRI (Cont.)

- F. ISDN PRI service between a serving wire center and a customer location will be charged at a rate per Basic PRI. Interoffice Channels between central offices will be charged based upon airline distance between offices.

The customer may choose any number of channels up to 23 B channels. There is a charge per PRI channel in use.

There is a Service Establishment Charge applicable to each ISDN PRI in addition to any installation nonrecurring charge. This fee is for the ordering, recording, provisioning and engineering required with a customer's request for ISDN PRI. Additionally, there is a Service Change Charge applicable to move or transfer an ISDN PRI service line.

ISDN PRI Plus

- A. ISDN PRI Plus provides an ISDN based T-1 access to the network and includes the flexibility of multiple voice and/or data transmission channels on the same line. The basic channel structure for ISDN PRI is twenty-three 64 Kbps B channels and one 64 Kbps D channel. The customer has the option to activate up to 23 B Channels on the First ISDN PRI Plus service arrangement and up to 24 B Channels on subsequent arrangements. One primary Directory listing will be furnished at no charge for each ISDN PRI Plus service B Channel.
- B. ISDN PRI Plus is a service for the transmission of digital signals only.
- C. The minimum service period for ISDN PRI Plus is one month.
- D. ISDN PRI Plus service between a serving wire center and a customer location will be charged at a rate per Basic PRI. Interoffice Channels between central offices will be charged based upon airline distance between offices. There is a charge per PRI channel in use. Separate charges apply for Digital Data Channels or Inward Dial Channels.

There is a Service Establishment Charge applicable to each ISDN PRI in addition to any installation nonrecurring charge. This fee is for the ordering, recording, provisioning and engineering required with a customer's request for ISDN PRI. Additionally, there is a Service Change Charge applicable to move or transfer an ISDN PRI service line.

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ISDN SERVICE

ISDN Single Line Service

ISDN Single Line Service may be comprised of the following elements:

Residence One-Party or Business One-Party Access Line
Single Line Access

Line/Configuration:

B-Voice/Circuit Switched Data (CSD), Per Line

B-Packet, Per Channel (Optional)

D-Packet, Per Channel (Optional)

Usage Options – Must Choose One:

Residence

Business

Measured

Measured

Flat Rate

400 Hour Block of Time

Basic Service Features:

Automatic Identification of Outward Dial (AIOD)

Direct Inward Dialing/Director Outward Dialing (DID/DOD)

Distinctive Ringing

Station-to-Station Calling (Intercom)

Touch Call

Incoming Calling Number Identification (within the Business Group)

Service Catalog
Frontier Service Area - Resale

ISDN SERVICE, (cont'd.)

ISDN Single Line Service, (cont'd.)

	<u>Contract Monthly Rate</u>	<u>12 Month Month-to-Month Monthly Rate</u>	<u>36 Month Contract Monthly Rate</u>
A. Home Digital (ISDN) Single Line Service			
Nonrecurring Charge (1)	\$ 190.00	\$ 95.00	\$ 0.00
Flat (2,4,5)	\$ 66.50	\$ 52.25	\$ 43.66
Measured (2,4,5)	\$ 22.80	\$ 22.80	\$ 22.80
Plus Measured Rate, each B Channel, Per Minute of Use Listed Below			
Measured Rate, each B Channel Per Minute of Use (3)	\$ 0.05	\$ 0.04	\$ 0.03

Service Catalog
Frontier Service Area - Resale

ISDN SERVICE, (cont'd.)

ISDN Single Line Service, (cont'd.)

B. Business Digital (ISDN) Single Line Service

	<u>Contract Monthly Rate</u>	<u>12 Month Month-to-Month Monthly Rate</u>	<u>36 Month Contract Monthly Rate</u>
Nonrecurring Charge (1)	\$ 190.00	\$ 95.00	\$ 0.00
400 Hour Block of Time (2,4,5)	\$ 87.79	\$ 59.29	\$ 40.29
Each Minute over 400 Hours Per Month (3)	\$ 0.05	\$ 0.05	\$ 0.05
Measured (2,4,5)	\$ 22.80	\$ 22.80	\$ 22.80
Plus Measured, Per Minute of Use, each B Channel, Rate Listed Below			
Measured, Per Minute of Use, each B Channel	\$ 0.05	\$ 0.04	\$ 0.03

- (1) Nonrecurring charges shown here are in lieu of those listed elsewhere in this document.
- (2) Monthly access includes b-voice/circuit switched data on both B-channels.
- (3) Usage applies to all originating voice/circuit switched data calls terminating within the local calling area. Applicable toll charges apply as required, in addition to block of time, flat rate or measured service.
- (4) All originating local voice and circuit switched data calls apply. Block of time or flat rate does not apply to packet. Applicable toll charges apply as required, in addition to blocks of time, flat rate or measured service.
- (5) Local exchange rates apply in addition to the monthly access rates.

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ISDN SERVICE, (cont'd.)

ISDN Single Line Service, (cont'd.)

C. Optional Features

	<u>Month-to-Month Monthly Rate</u>		<u>12 Month Contract Monthly Rate</u>		<u>36 Month Contract Monthly Rate</u>		<u>Nonrecurring Charges Rate</u>
B-Packet, Per Channel	\$ 114.00	(1)	\$ 114.00	(1)	\$ 114.00	(1)	--
D-Packet, Per Channel	\$ 4.75	(1)	\$ 4.75	(1)	\$ 4.75	(1)	--
Secondary Directory Number, Per Line	\$ 0.38		--		--		--

D. Packaged Services

	<u>Month-to-Month Monthly Rate</u>		<u>12 Month Contract Monthly Rate</u>		<u>36 Month Contract Monthly Rate</u>		<u>Nonrecurring Charges</u>
MBKS Features, Per Line	\$ 5.70		\$ 5.70		\$ 5.70		\$ 25.00
MBKS Deluxe Features, Per Line	\$ 7.60		\$ 7.60		\$ 7.60		\$ 25.00
Attendant Services*, Per Line	\$ 23.75		\$ 23.75		\$ 23.75		\$ 100.00

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Frontier Service Area - Resale

ISDN SERVICE, (cont'd.)

ISDN Single Line Service, (cont'd.)

D. Packaged Services, (cont'd.)

	<u>12 Month Month-to-Month Monthly Rate</u>	<u>36 Month Contract Monthly Rate</u>	<u>Contract Monthly Rate</u>	<u>Nonrecurring Charges</u>
X.25 Enhanced Features, Per Line	\$ 4.75	\$ 4.75	\$ 4.75	\$ 15.00
Data 1000, Per Line	\$ 2.85	\$ 2.85	\$ 2.85	\$ 15.00
Data 2000, Per Line	\$ 4.75	\$ 4.75	\$ 4.75	\$ 15.00

E. Individual Services

	<u>Month-to-Month Monthly Rate</u>	<u>12 Month Contract Monthly Rate</u>	<u>36 Month Contract Monthly Rate</u>	<u>Nonrecurring Charges</u>
Data Direct Connect, Per Line	\$.95	\$.95	\$.95	--
Data Closed User Group, Per Line	\$.95	\$.95	\$.95	--

* Available in specific central offices.

Service Catalog
Frontier Service Area - Resale

ISDN SERVICE, (cont'd.)

ISDN – Local Packet Switching Network Service

A. Access Options

ISDN Access	ISDN Access Monthly <u>Rate</u>	ISDN Multi- Point Access <u>Monthly Rate</u>
Per Access Line		
3 – 25 lines	\$ 20.43	\$ 22.33
26 – 50 lines	\$ 19.95	\$ 21.85
51 – 100 lines	\$ 19.48	\$ 21.38
101 – 500 lines	\$ 19.00	\$ 20.90

Public Dial Access – Allows an end user with a public switched telephone line and a modem to access the X.25 packet network. Transmission speeds will vary from 300 bps to 2400 bps. X.25 usage charges will be billed to the termination point.

	<u>Nonrecurring Charge</u>	<u>Monthly Charge</u>
Private Line Access	\$ 85.00	\$ 33.25

B. Usage Plans

Transaction Plan		<u>Rate per Transaction</u>
- Transaction Charge		\$ 0.010
- Overtime Charge		\$ 0.010
Basic Plan	<u>Rate per Minute</u>	<u>Rate Per Kilosegment</u>
- Day	\$ 0.015	\$ 0.285
- Night/Holiday	\$ 0.005	\$ 0.190

Service Catalog
Frontier Service Area - Resale

ISDN SERVICE, (cont'd.)

ISDN – Local Packet Switching Network Service, (cont'd.)

B. Usage Plans, (cont'd.)

High Volume Plan	<u>Rate per Minute</u>	<u>Rate Per Kilosegment</u>
- Day	\$ 0.014	
- Night/Holiday	\$ 0.005	

Kilosegment

0001 – 2000	\$ 0.285
2001 – 4000	\$ 0.256
4001 – 6000	\$ 0.218
6001 and over	\$ 0.179

Permanent Virtual Circuit Plans

Basic

- Day	\$ 0.570
- Night/Holiday	\$ 0.380

High Volume Plan

Kilosegment

0001 – 2000	\$0.570
2001 – 4000	\$0.480
4001 – 6000	\$0.380
6001 and over	\$0.290

Service Catalog
Frontier Service Area - Resale

ISDN SERVICE, (cont'd.)

ISDN – Local Packet Switching Network Service, (cont'd.)

C. Features

Call Detail	<u>Monthly Rate</u>
1 to 49 lines	\$ 23.75
over 49 lines	\$ 47.50
	<u>Rate per Virtual Connection</u>
Fast Select	\$ 0.001
	<u>Rate per Kilosegment</u>
Priority	\$ 0.33

* Available in specific central offices.

Service Catalog
Frontier Service Area - Resale

ISDN SERVICE, (cont'd.)

ISDN – Primary Rate Interface

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
A. ISDN-PRI Access		
Month-to-Month	\$ 400.00	\$ 380.00
12-Month Contract	\$ 400.00	\$ 375.25
36-Month Contract	\$ 400.00	\$ 361.00
60-Month Contract	\$ 400.00	\$ 323.00
B. PRI Facility		
PRI Special Access Line	*	*
PRI Transport Each Airline Mile or Fraction Thereof	*	*
PRI Transport Termination Per Termination	*	*
C. Channel Activations, Per Channel		
Voice Channel Activation (Flat Rate)	--	\$ 14.25
Voice/Data Channel Activation (Measured)	--	\$ 4.75
D. Channel Usage		
Voice/Data Channel Usage		**
E. Subsequent Activity Charge,		
Per Occurrence	\$ 200.00	

* The appropriate charges are the nonrecurring and monthly recurring charges for the 1.544 Mbps facility.

** The applicable rates and charges for Voice/Data Channel Usage are the local usage charges as specified herein.