**CITIZENS TELECOMMUNICATIONS COMPANY OF MINNESOTA** **Original Sheet 1**

INDEX


| | Tariff # | Section | Sheet |
|---|---|---|---|
| - A - | | | |
| Access to Facilities | 2 | 2 | 12 |
| Adjacent Exchange Service | 2 | 5 | 1 |
| Adjustments for Municipality Payments | 2 | 2 | 18 |
| Advance Payments (see Establishing Credit) | 2 | 2 | 6 |
| Application of Rates for Business and Residence Service | 2 | 2 | 15 |
| Application of Regulations | 2 | 2 | 4 |
| Applications for Service | 2 | 2 | 4 |
| Automatic Reminder Service | 3 | 3 | 33 |
| - B - | | | |
| Blocking Service 900/976 | 3 | 3 | 15 |
| Billed Number Screening Service | 3 | 3 | 30 |
| Business Traffic Study Service | 3 | 3 | 84 |
| Bundled Services | 3 | 4 | 1 |
| - C - | | | |
| Call Tracing Service | 2 | 5 | 23 |
| Call Transfer Service | 3 | 2 | 31 |
| Cancellation of Application Prior to Service | 2 | 2 | 5 |
| Charges, Service | 2 | 6 | 3 |
| Citizens Cyber DS1 (CCD) Service | 3 | 3 | 37 |
| Citizens Digital Centrex Service | 4 | 1 | 2 |
| Citizens Digital Channel Service (CDCS) | 3 | 3 | 66 |
| Coin Telephone Service | 2 | 5 | 6 |
| Community Calling Service | 3 | 3 | 2 |
| Community Plus Plan | 2 | 4 | 29 |
| Construction | 3 | 1 | 1 |
| Construction on Private Property | 2 | 2 | 17 |
| Custom Calling Services | 3 | 2 | 1 |
| Customer Billing | 2 | 2 | 10 |
| Failure to Pay for Service | 2 | 2 | 10 |
| Payment for Service | 2 | 2 | 10 |
| Customer Owned Pay Telephone Service | 2 | 5 | 3 |
| Customer Premise Inside Wire | 2 | 2 | 19 |
| Customer-Provided Communications Systems | 2 | 2 | 13 |
| Customer –Provided Equipment | 3 | 3 | 6 |
| Customized Number Service | 3 | 3 | 22 |

INDEX


| | Tariff # | Section | Sheet |
|---|---|---|---|
| - D - | | | |
| Damage of Company Facilities | 2 | 2 | 12 |
| Definitions | 2 | 3 | 1 |
| Deposits, Cash | 2 | 2 | 8 |
| Direct Inward Dialing Service to Customer-Premises Located Switching Systems – Non Digital & Digital Switching Systems | 3 | 3 | 9 |
| Direct Inward-Outward Dialing Service | 3 | 3 | 12 |
| Directories | 2 | 2 | 11 |
| Directory Assistance Service | 3 | 2 | 20 |
| Directory Listings | 3 | 2 | 23 |
| Disconnection of Service for Cause | 2 | 2 | 14 |
| - E - | | | |
| Educational Institution Discounts | 2 | 2 | 19 |
| Electronic Bill Payment Program | 2 | 2 | 23 |
| Emergency Conference Service | 3 | 3 | 20 |
| Emergency Telephone Service (9-1-1) Surcharge | 2 | 7 | 25 |
| Emergency Telephone Service (9-1-1) | 2 | 7 | 26 |
| Employees' Service | 2 | 5 | 9 |
| Enterprise/Zenith Service | 3 | 2 | 26 |
| Establishing Credit | 2 | 2 | 6 |
| Exchange Rates - (Business/Residence) | 2 | 4 | 11 |
| Extended Area Service | 2 | 4 | 3 |
| - F - | | | |
| Facility Charges for New Residential Development Areas | 3 | 1 | 3 |
| Fixed Call Service | 3 | 3 | 35 |
| Foreign Exchange Service | 2 | 5 | 10 |
| Fraudulent Use of Service | 2 | 2 | 4 |
| FRONTIER T-ADVANTAGE Digital Service | 3 | 3 | 81 |
| - G - | | | |
| General Regulations | 2 | 2 | 1 |
| General Services | 2 | 5 | 1 |

**CITIZENS TELECOMMUNICATIONS COMPANY OF MINNESOTA** **Original Sheet 3**

INDEX


| | Tariff # | Section | Sheet |
|---|---|---|---|
| - H - | | | |
| Hearing or Speech Impairment Equipment | 3 | 3 | 4 |
| Home Intercom Service | 3 | 2 | 28 |
| - I - | | | |
| Identification of Parties to Communications | 2 | 2 | 13 |
| Installment Billing for Residence Customers | 2 | 2 | 22 |
| IntraLATA Operator Services | 3 | 2 | 21 |
| Integrated Services Digital Network (ISDN)- Primary Rate Interface (PRI) | 3 | 3 | 77 |
| Integrated Services Digital Network (ISDN)- Single Line Service | 3 | 3 | 39 |
| Interruptions to Service | 2 | 2 | 13 |
| - J - | | | |
| Joint User Service | 2 | 5 | 19 |
| - L - | | | |
| Late Payment Charge | 2 | 2 | 23 |
| Liability of the Company | 2 | 2 | 1 |
| Lifeline Assistance | 2 | 4 | 29 |
| Line Extension Charges | 2 | 5 | 36 |
| Link-Up Minnesota | 2 | 6 | 4 |
| Local Exchange Service | 2 | 4 | 1 |
| Limiting of Communications | 2 | 2 | 13 |
| - M - | | | |
| Maintenance of Service Charges | 4 | 1 | 1 |
| Mileage Charges | 2 | 5 | 14 |
| Minimum Contract Periods | 2 | 2 | 5 |

**CITIZENS TELECOMMUNICATIONS COMPANY OF MINNESOTA** **Original Sheet 4**

INDEX


| | Tariff # | Section | Sheet |
|---|---|---|---|
| - N - | | | |
| N11 Service | | | |
| 211 Service | 2 | 7 | 4 |
| 511 Service | 2 | 7 | 10 |
| 711 Service | 2 | 7 | 15 |
| 811 Service | 2 | 7 | 20 |
| Non-sufficient Funds (Returned Checks) | 2 | 2,6 | 18,3 |
| Number Referral | 3 | 3 | 36 |
| - O - | | | |
| Obligation of the Company | 2 | 2 | 1 |
| Optional Toll Calling Plan | 3 | 3 | 1 |
| Ownership of Facilities | 2 | 2 | 12 |
| - P - | | | |
| Payment for Service | 2 | 2 | 10 |
| Power Supply | 2 | 2 | 13 |
| Private Line Service | 3 | 3 | 5 |
| Promotions | 3 | 5 | 1 |
| - R - | | | |
| Rearrangement, Repair, Maintenance, Disconnection, and Removal of Facilities | 2 | 2 | 12 |
| Refusal of Service | 2 | 2 | 15 |
| Regulations, General | 2 | 2 | 1 |
| Resale of Service | 2 | 2 | 4 |
| Restoral of Service | 2 | 2 | 11 |
| Returned Checks | 2 | 2,6 | 18,3 |

**CITIZENS TELECOMMUNICATIONS COMPANY OF MINNESOTA** **Original Sheet 5**

INDEX


| | Tariff # | Section | Sheet |
|---|---|---|---|
| - S - | | | |
| School Service | 2 | 4 | 11 |
| Seasonal Service | 2 | 5 | 17 |
| Selective Class of Call Screening | 3 | 2 | 27 |
| Service Charges | 2 | 6 | 3 |
| Service Performance Guarantee | 2 | 5 | 20 |
| Services for Enhanced Service Providers | 3 | 3 | 23 |
| Special Assemblies of Equipment | 2 | 2 | 20 |
| Special Billing Number Service | 3 | 2 | 27 |
| Special Construction | 2 | 2 | 21 |
| Special Reverse Charge Toll Service | 3 | 2 | 30 |
| Special Terminal Equipment Funding | 3 | 3 | 16 |
| - T - | | | |
| Telecommunications Access Minnesota (TAM) | 2 | 7 | 1 |
| Telephone Assistance Plan | 2 | 4 | 31 |
| Telephone Numbers | 2 | 2 | 11 |
| Termination of Service | 2 | 2 | 14 |
| Toll Restriction Service | 3 | 3 | 31 |

**CITIZENS TELECOMMUNICATIONS COMPANY OF MINNESOTA** **Original Sheet 6**

INDEX


| | Tariff # | Section | Sheet |
|---|---|---|---|
| - U - | | | |
| Underground Construction on Private Property | 2 | 2 | 20 |
| Undertaking of the Company | 2 | 2 | 1 |
| Use of Customer-Provided Facilities | 2 | 2 | 13 |
| Use of Service | 2 | 2 | 2 |
| Fraudulent Use | 2 | 2 | 4 |
| General | 2 | 2 | 2 |
| Harassment | 2 | 2 | 3 |
| Impersonation | 2 | 2 | 3 |
| Interference With or Impairment of Service | 2 | 2 | 4 |
| Location of Service | 2 | 2 | 4 |
| Obscenity | 2 | 2 | 3 |
| Resale of Service | 2 | 2 | 4 |
| Subscribing to Adequate Service | 2 | 2 | 4 |
| Unlawful Use of Service | 2 | 2 | 3 |
| - V - | | | |
| Vacation Rate Service | 2 | 5 | 18 |
| - W - | | | |
| Warm Line Service | 3 | 3 | 19 |
| Watchnet Service | 3 | 3 | 18 |
| Wireless Digital Exchange Service (a.k.a. Ultralink) | 2 | 7 | 2 |
| - X - Y - Z - | | | |

# TARIFF NO. 2

## PRICE-REGULATED SERVICES

## APPLYING TO

## CITIZENS TELECOMMUNICATIONS COMPANY OF MINNESOTALLC*

## DBA
## FRONTIER CITIZENS COMMUNICATIONS OF MINNESOTA

Within The

State of Minnesota

Applying to All Exchanges

*All references in this tariff to Citizens Telecommunications Company of Minnesota, Inc. should be understood as references to Citizens Telecommunications Company of Minnesota LLC.

**CITIZENS TELECOMMUNICATIONS COMPANY OF MINNESOTA** **SECTION 1**
**Original Sheet 1**

TABLE OF CONTENTS

Section 1 Explanation of Symbols, Table of Contents, and Subject Index

Section 2 General Regulations

Section 3 Definitions

Section 4 Local Exchange Service

Section 5 General Services

Section 6 Service Charges

Section 7 Specialized Services

Explanation of Symbols

The following Symbols are applicable to all sections of this Tariff schedule:

(C) - Signifies a changed regulation
(D) - Signifies a discontinued rate, treatment, or regulation.
(I) - Signifies an increased rate or new treatment resulting in an increased rate.
(M) - Signifies a move of text from one area of the tariff to another, but no change in rate, treatment or regulation
(N) - Signifies a new rate, treatment, or regulation.
(R) - Signifies a reduced rate or new treatment resulting in a reduced rate.
(T) - Signifies a change in text but no change in rate, treatment, or regulation.
(Z) - Signifies a correction

INDEX


| - A - | Section | Sheet |
|---|---|---|
| Access to Facilities | 2 | 12 |
| Adjacent Exchange Service | 5 | 1 |
| Adjustments for Municipality Payments | 2 | 18 |
| Advance Payments (see Establishing Credit) | 2 | 6 |
| Application of Rates for Business and Residence Service | 2 | 15 |
| Application of Regulations | 2 | 4 |
| Applications for Service | 2 | 4 |
| B - | | |
| C - | | |
| Call Tracing Service | 5 | 23 |
| Cancellation of Application Prior to Service | 2 | 5 |
| Charges, Service | 6 | 3 |
| Coin Telephone Service | 5 | 6 |
| Community Plus Plan | 4 | 29 |
| Construction on Private Property | 2 | 17 |
| Customer Billing | 2 | 10 |
| Failure to Pay for Service | 2 | 10 |
| Payment for Service | 2 | 10 |
| Customer Owned Pay Telephone Service | 5 | 3 |
| Customer Premise Inside Wire | 2 | 19 |
| Customer-Provided Communications Systems | 2 | 13 |

INDEX


| | Section | Sheet |
|---|---|---|
| - D - | | |
| Damage of Company Facilities | 2 | 12 |
| Definitions | 3 | 1 |
| Deposits, Cash | 2 | 8 |
| Directories | 2 | 11 |
| Disconnection of Service for Cause | 2 | 14 |
| - E - | | |
| Educational Institution Discounts | 2 | 19 |
| Electronic Bill Payment Program | 2 | 23 |
| Emergency Telephone Service (9-1-1) Surcharge | 7 | 25 |
| Emergency Telephone Service (9-1-1) | 7 | 26 |
| Employees' Service | 5 | 9 |
| Establishing Credit | 2 | 6 |
| Exchange Rates - (Business/Residence) | 4 | 11 |
| Extended Area Service | 4 | 3 |
| - F - | | |
| Foreign Exchange Service | 5 | 10 |
| Fraudulent Use of Service | 2 | 4 |
| - G - | | |
| General Regulations | 2 | 1 |
| General Services | 5 | 1 |

INDEX


| | Section | Sheet |
|---|---|---|
| H - | | |
| - I - | | |
| Interruptions to Service | 2 | 13 |
| Identification of Parties to Communications | 2 | 13 |
| Installment Billing for Residence Customers | 2 | 22 |
| - J - | | |
| Joint User Service | 5 | 19 |
| - L - | | |
| Late Payment Charge | 2 | 23 |
| Liability of the Company | 2 | 1 |
| Lifeline Assistance | 4 | 29 |
| Line Extension Charges | 5 | 36 |
| Link-Up Minnesota | 6 | 4 |
| Local Exchange Service | 4 | 1 |
| Limiting of Communications | 2 | 13 |
| - M - | | |
| Mileage Charges | 5 | 14 |
| Minimum Contract Periods | 2 | 5 |

INDEX


| | Section | Sheet |
|---|---|---|
| N - | | |
| Nonsufficient Funds (Returned Checks) | 2,6 | 18,3 |
| O - | | |
| Obligation of the Company | 2 | 1 |
| Ownership of Facilities | 2 | 12 |
| P - | | |
| Payment for Service | 2 | 10 |
| Power Supply | 2 | 13 |
| R - | | |
| Rearrangement, Repair, Maintenance, Disconnection, and Removal of Facilities | 2 | 12 |
| Refusal of Service | 2 | 15 |
| Regulations, General | 2 | 1 |
| Resale of Service | 2 | 4 |
| Restoral of Service | 2 | 11 |
| Returned Checks | 2,6 | 18,3 |

INDEX


| | Section | Sheet |
|---|---|---|
| - S - | | |
| School Service | 4 | 11 |
| Seasonal Service | 5 | 17 |
| Service Charges | 6 | 3 |
| Service Performance Guarantee | 5 | 20 |
| Special Assemblies of Equipment | 2 | 20 |
| Special Construction | 2 | 21 |
| - T - | | |
| Telecommunications Access Minnesota (TAM) | 7 | 1 |
| Telephone Assistance Plan | 4 | 31 |
| Telephone Numbers | 2 | 11 |
| Termination of Service | 2 | 14 |

## INDEX


| | Section | Sheet | |
|---|---|---|---|
| - U - | | | |
| Underground Construction on Private Property | 2 | 20 | |
| Undertaking of the Company | 2 | 1 | |
| Use of Customer-Provided Facilities | 2 | 13 | |
| Use of Service | 2 | 2 | |
| Fraudulent Use | 2 | 4 | |
| General | 2 | 2 | |
| Harassment | 2 | 3 | |
| Impersonation | 2 | 3 | |
| Interference With or Impairment of Service | 2 | 4 | |
| Location of Service | 2 | 4 | |
| Obscenity | 2 | 3 | |
| Resale of Service | 2 | 4 | |
| Subscribing to Adequate Service | 2 | 4 | |
| Unlawful Use of Service | 2 | 3 | |
| - V - | | | |
| Vacation Get Away Service | 5 | 35 | (N) |
| Vacation Rate Service | 5 | 18 | |
| - W - | | | |
| Wireless Digital Exchange Service (a.k.a. Ultralink) | 7 | 2 | |
| - X - Y - Z - | | | |
| 211 Service | 7 | 4 | |
| 511 Service | 7 | 10 | |
| 711 Service | 7 | 15 | |
| 811 Service | 7 | 20 | |

GENERAL REGULATIONS

INDEX


| Subject | Sheet Number |
|---|---|
| Access to Facilities | 12 |
| Adjustment for Municipality Payments | 18 |
| Application of Rates and Charges | 15 |
| Application for Service | 4 |
| Cancellation of Application Prior to Service | 5 |
| Customer Billing | 10 |
| Customer incentive Programs, Residence and Business | 25 |
| Customer-Premises Inside Wire | 18 |
| Damage, Loss or Destruction of Company Facilities | 12 |
| Deposits, Cash | 8 |
| Directories | 11 |
| Disconnection of Service for Cause | 14 |
| Educational Institution Discounts | 19 |
| Electronic Bill Payment Program | 23 |
| Establishing Credit | 6 |
| Failure to Pay for Service | 10 |
| General | 1 |
| Identification of Parties to Communications | 13 |
| Installment Billing for Residence Customers | 22 |

GENERAL REGULATIONS

INDEX
(Continued)


| Subject | Sheet Number |
|---|---|
| Interruptions to Service | 13 |
| Late Payment Charge | 23 |
| Liability of the Company | 1 |
| Limiting of Communications | 13 |
| Minimum Contract Periods | 5 |
| Ownership of Facilities | 12 |
| Payment for Service | 10 |
| Power Supply | 13 |
| Rearrangement, Repair, Maintenance, Disconnection and Removal of facilities | 12 |
| Refusal of Service | 15 |
| Restoral of Service | 11 |
| Returned Checks | 18 |
| Special Construction | 20 |
| Telephone Numbers | 11 |
| Termination of Service | 14 |
| Undertaking of the Company | 1 |
| Use of Customer-Provided Facilities | 13 |
| Use of Service | 2 |

GENERAL REGULATIONS

A. GENERAL

The regulations contained in this Section are applicable to intrastate, unless otherwise stated or unless modified by specific regulations contained elsewhere in this Tariff, to telecommunications services offered in this Tariff by Citizens Telecommunications Company of Minnesota d/b/a Citizens Communications, hereinafter referred to as the Company.

B. UNDERTAKING OF THE COMPANY

The Company undertakes to provide the services offered in this Tariff on the terms and conditions and at the rates and charges specified. This undertaking is dependent upon the availability of facilities. The facilities used to provide a particular service shall be chosen by the Company and are not represented to be suitable for any one service. The Company does not undertake to transmit messages.

C. LIABILITY OF THE COMPANY

1. The liability of the Company for damages arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission occurring in the course of furnishing service or other facilities, and not caused by the negligence of the customer, shall in no event exceed an amount equivalent to the proportionate charge to the customer for the period of service during which such mistake, omission, interruption, delay, error or defect in transmission occurs. The maximum refund or charge will not exceed an estimated amount equal to such charge or refund for a three (3) year period. No other liability shall in any case attach to the Company. Customers residing in South Dakota will be governed by South Dakota Statute 49-13-1.1.1.

2. The Company shall be indemnified and saved harmless (including costs and reasonable attorneys' fees) by the customer or customers against claims for libel, slander, or the infringement of copyright arising directly or indirectly from the material transmitted over the facilities or the use thereof; against claims for infringement of patents arising from combining with, or using in connection with, facilities furnished by the Company, apparatus, systems and their associated wiring of the customer; and against all other claims arising out of any act or omission of a customer in connection with the facilities provided by the Company.

3. The Company is not liable for any defacement of or damage to the premises or property of a customer resulting from the existence of facilities furnished by the Company on the premises, or the installation or removal of such facilities, unless such defacement or damage is the result of the negligence of the Company.

4. When lines of another telephone company are used in establishing connections to points not reached by the lines of the Company, the Company is not liable for any act or omission of that other company.

GENERAL REGULATIONS

D. USE OF SERVICE

1. General

a. Customer telephone service, as distinguished from public and coin line service, is furnished only for use by the customer, his family, employees or business associates, or persons residing in the customer's household, except as the use the service may be extended to persons temporarily subleasing a customer's residential premises. The Company has the right to refuse to install customer transmission service or to permit such service to remain on premises of a public or coin line character when the instrument is so located that the public in general or patrons of the customer may make use of the service. At such locations, however, transmission service may be installed, provided the instrument is so located that it is not accessible for public use.

b. Applications for party line service are accepted by the Company with the understanding that each customer will so use the service as not to interfere with an equitable proportionate use of the service by the other customers on the same line. When the duration or number of local messages sent or received by a party line customer is so great as to prevent an equitable proportionate use of the line by other customers on the line, the Company shall have the right to require the customer to contract for a higher grade of service or to discontinue the service of the customer in question. The Company reserves the right to limit the continuous use of a party line for a local message to five (5) minutes.

c. Minimum Performance Commitment

1) The telephone company network will provide a minimum modem speed of 14.4 kbps in most cases if the following conditions are met:

- The end-user has a V.34 modem and the access line is free of other devices such as fax machines, cordless phones, answering machines, etc.

- The customer premises are located within 12 Kft of the central office.

2) If the above conditions are in place and the customer is still unable to obtain 14.4 kbps performance, the Company will do the following in order to bring the service to the 14.4 kbps level:

- Test the line to ensure that it is within established transmission design parameters for voice grade service.

- Restore the line to established transmission design parameters for voice-grade service if testing indicates that a loss is greater than expected.

GENERAL REGULATIONS

D. USE OF SERVICE (Continued)

1. General (Continued)

c. Minimum Performance Commitment (Continued)

In those instances where the customer is located farther than 12 Kft from the central office, the Company will, at the customer's request, engineer and provision the loop facilities to achieve 14.4 kbps. Charges for this special treatment will be developed on an Individual Case Basis (ICB). (Please refer to the Emerging Competitive Price List for Special Assemblies of Equipment.)

2. Unlawful Use of Service

Service shall not be used for any unlawful purpose. The Company may refuse to furnish service to an applicant or may disconnect the service of a customer when:

a. A government law enforcement agency, acting within its jurisdiction, advises the Company that such service is being used or will be used unlawfully or for an unlawful purpose or

b. The Company has other information, which reasonably causes it to believe that such service is being used or will be used unlawfully or for an unlawful purpose.

3. Obscenity

Service shall not be used to make any oral or written comment, request, suggestion or proposal, or to transmit any nonverbal material, which is obscene, lewd, lascivious, filthy or indecent.

4. Impersonation

Service shall not be used to impersonate another person with fraudulent or malicious intent.

5. Harassment

Service shall not be used to call another person so frequently or at such times of day or in any other manner so as to annoy, abuse, threaten or harass such other person.

GENERAL REGULATIONS

D. USE OF SERVICE (Continued)

6. Fraudulent Use

a. Service shall not be used to transmit a message, to locate a person, or to otherwise give or obtain information without payment of the charges applicable to such use.

b. No device shall be used by a customer with the service or facilities of the Company for the purpose of avoiding payment of the applicable charge.

7. Interference With or Impairment of Service

Service shall not be used in any manner, which interferes with another person in the use of his service, prevents another person from using his service, or otherwise impairs the quality of service to other customers.

8. Subscribing to Adequate Service

If a customer's use of service interferes unreasonably with the service of other customers, he will be required to take service in sufficient quantity or of a different class or grade.

9. Resale of Service

The resale of service is not permitted unless the customer is in compliance and certified under Section 214 of the Communications Act, and as may be excepted in this Tariff.

10. Location of Service

Service, except Coin Telephone Service, shall not be so located in such a manner as to enable other than authorized users to use the service.

11. Termination or Re-origination of Calls Received Over a Data Service

The use of the service to terminate or re-originate calls received over a data service onto the public switched network will be subject to business access line charges as well as feature group A usage charges located in the Company's state and federal access tariffs.

E. APPLICATIONS FOR SERVICE (1)

An application for service, whether made orally or in writing, establishes the contract between the Company and the customer on the terms and conditions set forth in this Tariff. Neither the contract nor any rights acquired thereunder may be assigned or in any manner transferred.

(1) For applications including Customer-Provided Equipment, refer to Section 7.

GENERAL REGULATIONS

F. MINIMUM CONTRACT PERIODS

1. Except as otherwise provided, the minimum contract period is one month for all services furnished.

2. Where monthly construction charges are involved, such charges are payable as set forth in Section 5, GENERAL SERVICES.

3. The length of minimum contract period for directory listings, and for Joint User Service, where the listing actually appears in the directory, is the directory period. The directory period is from the day on which the directory is first distributed to the customers to the day the succeeding directory is first distributed to customers.

4. The Company may require a minimum contract period longer than one month at the same location in connection with special (nonstandard) types or arrangements of equipment or for unusual construction, necessary to meet special demands and involving extra costs.

G. CANCELLATION OF APPLICATION FOR SERVICE PRIOR TO ESTABLISHMENT OF SERVICE (1)

1. Where the applicant cancels an order for service prior to the start of installation or special construction of facilities, no charge applies.

2. Where installation of facilities, other than those provided by special construction, has been started prior to the cancellation, the lower of the following charges applies:

   a. The total costs (including overheads) in connection with providing and removing such facilities.

   b. The monthly charges for the entire initial contract period of the service ordered by the customer as provided in this Tariff plus the full amount of any installation and termination charges applicable.

3. Where special construction of facilities has been started prior to cancellation, and there is another requirement for the specially constructed facilities in place, no charge applies.

4. Where special construction of facilities has been started prior to the cancellation, and there is no other requirement for the specially constructed facilities, a charge equal to the costs incurred in the special construction (including overhead) applies. Where one or more, but not all, of the services involved in the special construction are cancelled, a charge equal to the cost (including overheads) incurred for the discontinued service applies.

(1) Refer to Customer-Premises Inside Wire, this section.

GENERAL REGULATIONS

G. CANCELLATION OF APPLICATION FOR SERVICE PRIOR TO ESTABLISHMENT OF SERVICE (Continued)

5. Installation or special construction of facilities for a customer starts when the Company incurs any expense in connection therewith which would not otherwise have been incurred and the customer has advised the Company to proceed with the installation or special construction.

H. ESTABLISHING CREDIT

1. The Company, in order to assure the payment of its charges for service, will require applicants and customers to establish and maintain credit.

2. The establishment or re-establishment of credit as provided in this Section shall not relieve the applicant or customer from compliance with other provisions of this Tariff as to advance payments and the payment of bills, and shall in no way modify the provisions regarding disconnection and termination of service for failure to pay bills due for service furnished.

a. Applicants for Service

The Company may refuse to furnish service to an applicant that has not established credit or has not paid charges for service of the same classification (residence or business) previously furnished by the Company at the same or another location, until arrangements suitable to the Company have been made to pay such charges.

1) Residence service applicants may establish credit in one of the following ways:

a) Demonstrating to the satisfaction of the Company that his credit is acceptable by providing information, which is pertinent to the applicant's prior telephone service.

b) Payment of a cash deposit to the Company in accordance with I. following.

c) Providing a sufficient written guarantee of payment for service by a guarantor satisfactory to the Company.

GENERAL REGULATIONS

H. ESTABLISHING CREDIT (Continued)

2. a. Applicants for Service (Continued)

2) Business service applicants may establish credit by meeting the requirements of 1) or 1) b) preceding.

3) Prior to the establishment of an applicant's credit the Company may, at its option, permit service to be installed upon the advance payment by the applicant of an amount equal to applicable service charges and initial nonrecurring charges applicable for service installation plus the estimated amount of the applicant's monthly bill for service. The recurring portion of such advance payment will be credited to the applicant's service account but does not relieve the applicant of his responsibility to subsequently establish credit in accordance with 1) or 2) preceding.

If credit is not so established, the Company may disconnect the service not sooner than five (5) days after mailing or delivery of written notice of intention to disconnect.

When a customer's service has been disconnected in accordance with the above, service will not be reconnected until the customer has established credit.

b. Customers

1) A customer may be required to re-establish credit by the payment or increase of a cash deposit in accordance with I. following when any of the following conditions occur:

a) The customer's service has been disconnected by the Company for failure to pay a delinquent bill, in accordance with L. following.

b) The customer's service has been delinquent in the payment of any two (2) consecutive bills.

c) The customer has been delinquent in the payment of any three (3) bills during the preceding twelve (12) months.

d) The Company has reason to question the customer as a credit risk.

GENERAL REGULATIONS

H. ESTABLISHING CREDIT (Continued)

2. b. Customers (Continued)

2) Payment by the customer of delinquent bills will not of itself relieve the customer from the obligation of establishing his credit with respect to the account involved or with respect to any other account in connection with the same or any other class of service which the Company may be providing such customer.

3) A residence customer may be required to re-establish credit in accordance with 2.a.1. preceding when the amount of service furnished or the basis on which credit was formerly established has significantly changed.

4) If a customer fails to re-establish his credit as required by the Company his service may be disconnected not sooner than five (5) days after mailing or delivery of written notice of intention to disconnect.

I. CASH DEPOSITS

1. Amount of Deposits

a. A customer may be required to pay as a deposit an amount equal to two normal billing periods. The determination of a customer's (as distinguished from an applicant's) estimated monthly bill shall be based upon his prior or current use of the class of service involved monthly charges and message charges).

b. The amount of a deposit may be adjusted on the basis of a. preceding, at the option of the customer or the Company, at any time when the character or degree of the customer's use of the service has materially changed, or when it develops that the character or degree of such use will materially change, and such change is not temporary.

GENERAL REGULATIONS

I. CASH DEPOSITS (Continued)

2. Interest to be Paid on Deposits

Interest shall be paid on deposits in excess of $20 at the rate set by the Commissioner of the Department of Commerce as required by Minnesota Statutes Section 325E.02. The interest rate may be found on the Department of Commerce Web site at www.commerce.state.mn.us Interest on deposits shall be payable from the date of deposit to the date of refund or disconnection. The Company may, at its option, pay interest at intervals it chooses but at least annually as specified below.

a. By credit to the customer's account annually, or

b. By payment, no more than once in any twelve (12) months' period, when requested by the customer, or

c. By adding the accrued interest to the amount of the deposit at the time such deposit is refunded or applied to an unpaid bill of the customer in accordance with 3. following.

3. Refund or Application of Deposits

a. The company will automatically refund deposits, including accrued interest, when one of the following conditions occurs:

1) The customer establishes credit by other means in accordance with H. preceding, or

2) The service is terminated and the bills are paid in full, or

3) The applicant cancels his application for service and any charges incurred are paid in full.

b. When the service is terminated or the application is canceled and there are charges due the Company, the deposit plus interest will be applied to the charges and the balance, if any, returned to the customer or applicant within 45 days. The customer receipt given at the time deposit is made will specify the conditions under which deductions will diminish the deposit.

GENERAL REGULATIONS

J. CUSTOMER BILLING

1. Regular bills will be issued once each month.

2. Special bills for long distance telecommunications service may be issued at any time when charges are unusually high and the Company is uncertain as to the customer's ability to pay such charges.

3. Services, which are charged for at monthly rates, are billed in advance for one month's service.

4. Services, which are charged, for at other than monthly rates are billed in arrears, except when payment for messages is made by cash deposit in the coin telephone.

5. Detail call information, such as the time at which made, duration and destination, may be provided for long distance telecommunications message service.

K. PAYMENT FOR SERVICE

1. The customer is responsible for the payment of rates and charges for all services furnished including, but not limited to, calls originated or accepted at a customer's service location. The customer is held responsible for all charges, both exchange and toll, including charges for toll messages on which charges have been reversed.

In the event of a dispute between a customer and the Company concerning any bill, the Company may require the customer to pay the undisputed portion of the bill to avoid disconnection of service for nonpayment. The Company will make an appropriate investigation and will report the results of the investigation to the customer and to the commission, if involved. South Dakota customers have 180 days to dispute a bill.

2. Bills are due when rendered and may be paid at any of the Company's authorized payment locations.

3. Charges for a message originated or accepted at a coin telephone shall be paid by cash deposit in the coin telephone unless arrangements for billing have been made.

L. FAILURE TO PAY FOR SERVICE

1. Regular Monthly Bills

a. A customer is considered to be delinquent in the payment of a regular monthly bill when the sum due is not received on or before the tenth (10th) calendar day following the day the bill is either mailed or delivered by other means.

b. When a customer is delinquent in the payment of a regular monthly bill, the Company may disconnect the service not sooner than five (5) days after mailing or delivery of written notice of intention to disconnect.

GENERAL REGULATIONS

L. FAILURE TO PAY FOR SERVICE (Continued)

2. Special Bills

a. A customer is delinquent in the payment of a special bill, as described in J.2. preceding, when the sum due is not paid upon presentation.

b. When a customer is delinquent in the payment of a special bill, the Company may disconnect the service not sooner than five (5) days after mailing or delivery of written notice of intention to disconnect.

M. RESTORAL OF SERVICE

1. If a customer's service is restored after having been disconnected in accordance with this Tariff and a Company service order to terminate such service has not been completed when such service is restored, the customer will be required to pay Service Charges specified in Section 6 of this Tariff. Monthly service rates will not apply for the period between the disconnection and reconnection.

2. When a customer's service has been disconnected in accordance with this Tariff and the service has been terminated through the completion of a Company service order, service will be re-established only upon the basis of an application for new service.

3. The restoration of services during and after emergencies shall be subject to the regulations set forth in Citizens Telecommunications Company of Minnesota, LLC. (Lakes and South) Intrastate Access Tariffs concerning the Telecommunications Service Priority (TSP) System. (T)

N. TELEPHONE NUMBERS

The customer has no proprietary right in a telephone number; and the Company may change the telephone number of a customer whenever, in the conduct of its business, it deems it desirable to do so.

O. DIRECTORIES

1. The Company will furnish to its customers, without charge, its directory as necessary for the efficient use of the service. Copies of other directories may be provided at a nominal charge.

2. Directories regularly furnished to customers remain the property of the Company. No binder, holder or auxiliary cover, except as provided or authorized by the Company, shall be used in conjunction with any directory furnished by the Company.

3. No liability for damages arising from errors in or omissions of directory listings, or listings obtained from the Directory Assistance operator, shall attach to the Company. In the case of additional or extra listings for which a charge is made, its liability shall be limited to the monthly rate for each such listing for the charge period during which the error or omission continues.

GENERAL REGULATIONS

P. OWNERSHIP OF FACILITIES

Facilities furnished by the Company remain the property of the Company until transferred or abandoned. Coin-operated pay telephone equipment and wiring and facilities to provide transmission service up to the demarcation point furnished by the Company on the premises of a customer are the property of the Company.

Q. ACCESS TO FACILITIES

1. The customer shall provide employees and agents of the Company access to Company facilities, at all reasonable times. The agents and employees of the Company shall have the right to enter said premises at any reasonable hour for the purpose of installing, inspecting, maintaining, or repairing the equipment, instruments and lines, or for the purpose of making collections from coin boxes or upon termination of the service, for the purpose of removing such equipment, instruments, and lines. Such equipment, instruments, and lines are not to be used for performing any part of the work of transmitting, delivering, or collecting any message where any toll or consideration has been or is to be paid any party other than the Company, without the written consent of the Company.

2. If the installation and maintenance of transmission service is requested at locations which are or may be hazardous or dangerous to the Company's employees or to the public or to property, the Company may refuse to install and maintain such service, and, if such service is furnished, may require the customer to install and maintain such service and may also require the customer to indemnify and hold the Company harmless from any claims, loss, or damage by reason of the installation and maintenance of such service.

R. REARRANGEMENT, REPAIR, MAINTENANCE, DISCONNECTION AND REMOVAL OF FACILITIES

1. Customers may not rearrange, disconnect, remove or otherwise tamper with, or permit others to rearrange, disconnect, remove or tamper with any facilities owned by the Company, except with the Company's written consent, or as specified elsewhere in this tariff.

2. The Company will be reimbursed for the costs associated with customer requests for relocation or rearrangement of facilities located on his premises.

S. DAMAGE, LOSS OR DESTRUCTION OF COMPANY FACILITIES

All ordinary expense of maintenance and repair of Company facilities, unless otherwise specified in this Tariff, is borne by the Company. If any of the Company's facilities are damaged, lost or destroyed and not due to ordinary wear and tear, the customer is held responsible for the cost of replacing the lost or destroyed facilities or restoring the damaged facilities to their original condition, except when caused by the negligence of the Company.

GENERAL REGULATIONS

T. USE OF CUSTOMER-PROVIDED FACILITIES

Customer-provided terminal equipment and/or customer-provided communications systems with their associated wiring may be used with facilities provided by the Company as specified elsewhere in this Tariff.

U. POWER SUPPLY

The customer is responsible for providing a suitable supply of commercial electrical power, including outlets, when and where required by the Company for the operation of any Company-provided telecommunications equipment on the customer's premises.

V. INTERRUPTIONS TO SERVICE

1. In the event of an interruption to the service, which is not due to the negligence or a willful act of the customer, an allowance will be made if the interruption continues for more than 24 hours from the time it is reported to the Company. (08/20/2025)

2. The allowance will be limited to the prorated portion of the monthly rate for the service or portion thereof made inoperative. No other liability shall in any case attach to the Company in consideration of such interruptions.

W. IDENTIFICATION OF PARTIES TO COMMUNICATIONS

The calling party shall establish his identity as often as may be necessary in the course of any communication.

The calling party shall be solely responsible for establishing the identity of the party with whom connection is made at the called station or stations.

X. LIMITING OF COMMUNICATIONS

The Company may limit communications over its facilities during emergencies, which result in a shortage of facilities.

GENERAL REGULATIONS

Y. TERMINATION OF SERVICE

1. Service may be terminated prior to the expiration of the minimum contract period upon notice being given to the Company in advance and upon payment of the termination charges given below in addition to all charges due for service which has been furnished.

   a. In the case of service for which the minimum contract period is one month, the termination charges are the charges due for the balance of the initial month.

   b. In case of additional directory listings, where the listing has appeared in the directory, the termination charges are the charges due to the end of the directory period.

   c. In the case of special equipment for which the minimum contract period is in excess of one month at the same location, such proportion of the sum of the cost of the equipment and of its installation, plus the cost of removal, less the salvage value of the equipment removed, as the unexpired portion of the minimum contract period bears to the full minimum contract period.

2. Service may be terminated after the expiration of the minimum contract period, upon the Company being notified in advance and upon payment of all charges dues to the date of termination of the service.

Z. DISCONNECTION OF SERVICE FOR CAUSE

The Company may disconnect the service of a customer upon the violation of, or noncompliance with, any of the regulations or other conditions contained in this Tariff governing the furnishing of service.

Such disconnection for cause may include non-payment of undisputed exchange service charges including any FCC-approved end user charge. Disconnection for cause may not include, however, failure to pay for intraLATA or interLATA long distance message telecommunications service charges billed by the Company or equipment or service not approved by the Commission as an integral part of the utility service. Alternate Operator Services has been found not to be an integral part of the Company and customers subscribing to these services therefore cannot be disconnected by the Company for failure to pay these services.

Disconnection shall take place only after notification to the customer by the Company of its intent to disconnect service; provided, however, despite this requirement of notice by other provisions of this Tariff; the service may be disconnected without notification to the customer in the event of:

GENERAL REGULATIONS

Z. DISCONNECTION OF SERVICE FOR CAUSE (Continued)

1. Customer use of facilities in such a manner as to adversely affect the Company's equipment or the Company's service to others.

2. Tampering with the equipment furnished and owned by the Company.

3. Circumstances which will endanger the safety of Company employees or others.

When service is disconnected for cause, a Minnesota customer has the right to complain to the Minnesota Public Service Commission and a South Dakota customer has the right to complain to the South Dakota Public Service Commission. If the Commission shall, upon hearing such complaint, determine that service has not and will not be used in violation of any of the regulations or other conditions contained in this Tariff, the service will be promptly restored.

AA. REFUSAL OF SERVICE

The Company may refuse to furnish service if it has reasonable cause to believe that the service will be used in violation of, or noncompliance with, any of the regulations or other conditions continued in this Tariff governing the furnishing of such service. If the Company so refuses to furnish service it will inform the applicant of his right to complain to the Minnesota Public Service Commission. If the Commission shall, upon hearing such complaint, determine that the service will not be used in violation of any of the regulations or other conditions contained in this Tariff, the service will be promptly furnished.

BB. APPLICATION OF RATES AND CHARGES

1. General

a. The determination as to whether telephone service should be classified as business or residence is based on the character of the use to be made of the service. Service is classified as business service where the use is primarily or substantially of a business, professional, institutional, or otherwise occupational nature. Rates for residence service apply where the use is of a social and domestic nature and other use, if any, is merely incidental.

While the location at which service is furnished is, in most cases, a dependable index of the character of use and rates for business and residence service are generally applied on this basis, the character of use is controlling in all instances regardless of the location.

GENERAL REGULATIONS

BB. APPLICATION OF RATES AND CHARGES (Continued)

2. Business Rates apply:

a. In offices, stores, factories and all other places of a strictly business nature.

b. In boarding houses (except as noted under 3.b.), offices of hotels, halls and offices of apartment buildings, schools, hospitals, libraries, college fraternity houses and other similar institutions (but excluding dormitory rooms).

c. To quarters which are specifically occupied by individual clubs or lodges for the sole purpose of conducting club/lodge organizational affairs or activities.

d. To churches where the service is used for the administration of other churches or in the conduct of the affairs of a parochial school or other schools affiliated with or located at a church. To churches where the church is staffed/manned on a full-time basis to administer the affairs and activities of that church.

e. At residence locations when the customer has no regular business telephone and the use of the service can be considered as more of a business than of a residence nature, which fact might be indicated by advertising, either by business cards, newspapers, hand bills, billboards, circulars, motion picture screens, or other advertising matter, such as on vehicles, etc., or when such business use is not such as commonly arises and passes over to residence telephones, for example when business places are closed in compliance with the law or established custom.

f. Where the place of business and residence of a customer are on the same premises and no telephone service is installed in the place of business the business rate shall be charged for the telephone service installed in the residence.

g. At residence locations, when a line termination is located in a shop, office or other place of business.

h. At any location where the listing of service at the location indicates a business, trade or profession, except as specified below.

GENERAL REGULATIONS

BB. APPLICATION OF RATES AND CHARGES (Continued)

3. Residence Rates apply:

a. In private residences where business alphabetical or classified telephone directory listings are not provided.

b. In private apartments of hotels, rooming houses or boarding houses where service is confined to the customer's use, and elsewhere in rooming houses which are not advertised as a place of business or which have less than five rooms for roomers or which furnish meals to less than ten boarders, provided business telephone directory listings are not furnished.

c. In the residence of a clergyman, physician, dentist, veterinarian, surgeon of other medical practitioner, provided the customer does not maintain an office in the residence. In the residence of a Christian Science practitioner, nurse or midwife, or in the office of any of this group of persons, provided the office is located in the customer's residence and is not part of an office building. In any of such cases the listing may indicate the customer's profession, but only in connection with an individual name. If listings of firms or partner- ships, etc., or additional listings of persons not residing in the same household are desired, business rate apply.

GENERAL REGULATIONS

CC. ADJUSTMENTS FOR MUNICIPALITY PAYMENTS

If at any future time a municipality acquires the legal right to impose an occupation tax, license tax, permit fee, franchise fee or other similar charge upon the Company and imposes the same by ordinance or otherwise, such taxes, fees or charges shall be billed to the customers receiving service within the territorial limits of such municipality. Such billing shall allocate the tax, fee or charge among customers uniformly on the basis of each customer's monthly charges for the types of service made subject to such tax, fee or charge.

DD. RETURNED CHECKS

1. Checks presented in payment for services and subsequently returned to the Company by the customer's bank as nonpayable, per customer per check, in addition to any charges levied by the bank will be charged a nonrecurring charge. (Refer to Section 6, Service Charges.)

2. A customer will be placed on a "cash only" basis upon receipt of two (2) returned checks within a twelve (12) month period of time. "Cash Only" is herein defined as a cashier's check, U.S. currency, or money order.

EE. CUSTOMER-PREMISES INSIDE WIRE

1. General

a. Premises inside wire and jacks associated with residence and business one-party multi- party exchange telephone services will be provided by the customer.

b. Premises inside wire provided by the customer is connected to exchange telephone service at the point of demarcation.

c. The demarcation point is provided as part of exchange telephone service at no additional monthly rate and will be installed on the customer's premises near the pint where the Company's facilities enter the building or property. The demarcation point will be at a location, which is mutually agreeable to both the Company and the customer and at point, which is accessible to the customer.

d. Maintenance of the inside-wire and jacks will be performed by the customer.

e. In the event that the customer, or someone on the customer's behalf, provides, maintains or attempts to provide or maintain inside wire, the customer shall indemnify and hold the Company harmless from any and all liability for damage to property or death of or injury to any person or persons directly or indirectly arising out of or caused in whole or in party, by the customer's acts or those of anyone acting on the customer's behalf.

GENERAL REGULATIONS

EE. CUSTOMER-PREMISES INSIDE WIRE (Continued)

2. Responsibility of the Customer

a. Where the customer elects to provide inside wire and jacks, the installation must be in accordance with technical standards available at the Company Business Office.

b. In the event that the customer provides, maintains or attempts to provide or maintain inside wire, the customer assumes the risk of loss of service, damage to property or death to or injury of the customer or anyone acting on behalf of the customer.

3. Violation of Regulations

a. Where any customer premises inside wire and jacks have been installed or any inside wire and jacks have been maintained by the customer in violation of the technical standards, the Company will promptly notify the customer of the violation and will take such immediate action, including the disconnection of service, as is necessary for the protection of the telecommunications network and Company employees.

b. The customer shall discontinue use of the customer premises inside wire and jacks or correct the violation and notify the Company in writing within ten days after receipt of such notice that the violation has been corrected.

c. Failure of the customer to discontinue such use or to correct the violation will result in the suspension of the customer's service until such time as the customer complies with the provisions of the Tariff.

FF. EDUCATIONAL INSTITUTION DISCOUNTS

Schools and libraries may be eligible to receive discounted rates and services offered in this Tariff. The discounts are available to the extent that they are funded by the Federal Universal Service Fund subject to the terms and conditions set forth in 47 CFR 54.500 - 54.517. Discounts on intrastate telecommunication services for eligible schools and libraries mirror the interstate discount as stated in the Report and Order, FCC Docket No. 96-45 and 97-157, as adopted by the Minnesota Public Service Commission in Docket No. P999/M-97-832.

GENERAL REGULATIONS

GG. SPECIAL CONSTRUCTION (1)

1. Private Property

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

   b. If additional entrance or distribution facilities are required; if the conditions are such as to require special equipment, maintenance or methods of construction; if the stability of the customer has not been established; if the installation is for a temporary or semi-permanent purpose or if for any other reason the construction costs are excessive as compared with the revenue to be derived, the applicant shall be required to pay the costs over and above those applicable for a normal installation.

   c. The customer will provide the Company without charge written permission for the placing of the Company's facilities on the property.

2. Underground

   a. When feasible, conduit will be furnished by the Company at cost, or conduit may be provided by the applicant subject to the Company's specifications. Conduit used for Company facilities may not be used for any other purpose without the consent of the Company. The distance between the conduit and any electric light or power conduit or conductor shall be in accordance with the Company's specifications. The customer shall be required to pay the entire cost of maintenance of conduit including subsequent excavations and replacements necessary because of damage resulting from negligence on the part of the customer or his representatives or from freezing or improper drainage.

   b. The cost of relocating underground entrance facilities at the customer's request will be borne by him.

(1) Refer to Customer-Premises Inside Wire, this section.

GENERAL REGULATIONS

GG. SPECIAL CONSTRUCTION (Continued)

3. Interim Excess Construction Charges for Advance Rural Regraded Service

   a. Regarding of a customer's service on an individual basis in advance of the scheduled regrade for an exchange may be accomplished as set forth herein.

   b. Charges for advance rural regraded service are intended to cover a portion of the costs for providing upgraded service and are in addition to the monthly rates for the class and grade of service provided.

   c. All construction will be of a type, determined by the Company, as would normally be provided in the area where additional facilities are requested.

   d. Customers who may be provided service on the same upgraded facility may be grouped for the application of these charges insofar as the apportionment does not increase the charges applicable to provide service to a single customer alone.

      1) Charges for a group are those in excess of the individual allowance in which is applicable in each instance of advance regraded service. The total amount in excess of the total allowance for a group will be apportioned to each upgraded customer in equal amounts.

4. Charges *

   a. All charges (estimated costs) in excess of $500.00 per customer, per advance upgraded line.

* Other charges may apply, refer to Cancellation of Application for Service prior to Establishment of Service, this section.

GENERAL REGULATIONS

HH. INSTALLMENT BILLING FOR RESIDENCE CUSTOMERS

Residence customers may have nonrecurring charges billed in equal consecutive monthly installments over either three- or six-month periods, subject to the following conditions:

1. Installment billing is offered only to customers who are not known credit risks to the Company.

2. More than one installment billing plan may be in effect for the same customer at the same time. After an installment billing plan begins, the period of that plan may not be changed.

3. Installment billing shall be applied to the entire amount of the nonrecurring charges associated with a service order. A customer may not make partial payment of such charges and then receive installment billing for the remainder of such charges.

4. If a customer fails to pay any of the installments when due, the Company may, at its option, declare the entire balance accrued thereon immediately due and payable. Upon such default, the Company may exercise any and all remedies available to it including the right to terminate telephone service.

5. Installment billing will be continued even when service is temporarily suspended.

6. Installment billing is not available for nonrecurring charges billed back to the customer as a result of the customer's termination of a service before the end of a service commitment period that is established in conjunction with a promotion.

7. No interest or finance charges apply.

GENERAL REGULATIONS

II. Late Payment Charge

1. If the Company does not receive the entire amount billed prior to the next billing date, a late payment charge of 1.5% or $9.00 for residential customers and 1.5% or $12.50 for (11/25/2022) commercial customers (11/25/2022) whichever is higher will be assessed on the unpaid balance, except as noted below.

2. State and federal government accounts are exempt from late payment charges.

3. Late payment charges do not apply to the disputed portion of unpaid balances, if resolved in favor of the Customer. The disputed portion of the unpaid balance, if resolved in favor of the Company, may be subject to the late payment charge as of the original due date noted on the Customer's bill. Undisputed amounts on the same bill shall be subject to the late payment charge if they remain unpaid by the due date noted on the customer's bill.

JJ Bill Payment

1. General

Frontier customers have the option of receiving their bills via mail or online through Frontier's online payment portal.

Frontier enables customers to view their bills, including 13 months of prior bills, check payment history, and make payments of their telephone bills online through Frontier.com or the MyFrontier Mobile app.

2. Regulations

i. Online bill payment is a discretionary service.
ii. An email reminder will be sent to the customer when their bill is available.

GENERAL REGULATIONS

KK. Residence Customer Incentive Program

1. Description

The Customer Incentive Program is an offering for potential new residence local exchange customers and to existing residence local exchange customers to encourage the retention or continuation of existing services by those existing customers. The Customer Incentive Program applies to services offered under Tariff Nos. 1, 2 and 3.

2. Terms and Conditions

1. This competitive response offering may be offered to potential new residence local exchange customers. In addition, the Company may provide a retention benefit to any existing residence customer who has retained a service for some period of time.

2. For a potential new residence customer, the Company may provide an incentive offer no more often than once in any one-year period. In retention situations, the Company may provide an incentive no more often than once in any one-year period with respect to any particular service or feature.

3. To qualify for these offers, a residence customer is required to have a satisfactory credit rating with the Company.

4. For a potential new residence local exchange customer, the Company may condition its offers upon the customer remaining with the Company for up to one year. Any minimum period of time shall be identified to the residence customer as part of the offer. In such cases, if the customer terminates service early, the customer may be billed all of the nonrecurring charge(s) and monthly rate(s) waived under this program. The customer is not considered to be opting out if the customer moves to another Company service of equal or greater value.

5. The recipients of the customer incentive offer and the amount of the customer incentive offer shall be in the sole discretion of the Company, but the total value of the offer may not exceed the sum set out in 3.a., following.

GENERAL REGULATIONS

KK. Residence Customer Incentive Program

2. Terms and Conditions (Continued)

6. The Company shall determine the particular details, including but not limited to periods and duration, class of customers, services, amounts, and geographic area, so long as each such offer to a particular local exchange residence customer is not inconsistent with the provisions of this Tariff and the amount does not exceed the maximum amount set forth in 3.7, following. The Company may prohibit use of this program in conjunction with another being marketed by the Company and/or a Company affiliate.

7. Offers may differ based on reasonable criteria, including the following criteria or combinations of criteria below:

(a) The sales channel through which the products are sold.
(b) A specific geographic area.
(c) Existing customers who request to have one or more products disconnected.
(d) Customers who identify a better competitive offer are available to them. Company representatives may present to these customers multiple offers up to the maximum value under 3a., following.
(e) Such other facts, criteria, and circumstances as the Company believes is a reasonable basis upon which to distinguish among groups of customers.

8. The Company reserves the right to discontinue this offer.

3. Rates and Charges

1. The Customer may be offered one of the following, or the equivalent monetary value, on selected products as determined by the Company:

(a) A waiver of an amount up to 100% of the current residence nonrecurring rate(s) or charge(s), or
(b) A waiver of up to three months of the recurring rate(s) or charge(s), or
(c) A waiver of an amount up to 100% of the current residence nonrecurring rate(s) or charge(s) and up to three months of the recurring rate(s) or charge(s), or
(d) A benefit or consideration offered or provided that is not associated with a service or product offered by the Company such as CPE, merchandise, or discounts on merchandise offered by others, gift certificates, gift cards or otherwise, in the discretion of the Company. In determining the value of noncash offers or benefits, the actual cost incurred by the Company, not to exceed the sum of 3.a.(3) above, shall be used.

GENERAL REGULATIONS

KK. Residence Customer Incentive Program

3. Rates and Charges (Continued)

2. The waiver(s) will appear in the form of a credit(s) on the customer's bill. The waiver may be one-time, or spread over a period of up to 12 months in a fashion determined by the Company.

3. Waiver amounts are calculated on the first month's nonrecurring charge(s) and monthly rate(s). The total waived amount will not exceed the value of the total nonrecurring rate(s) or charge(s) plus three months service of the monthly rate(s) or charge(s).

LL. Business Customer Incentive Program

1. Description

The Customer Incentive Program is an offering for potential new business local exchange customers and to existing business local exchange customers to encourage the retention or continuation of existing services by those existing customers. The Customer Incentive Program applies to services offered under Tariff Nos. 2, 3 and 4.

2. Terms and Conditions

1. This competitive response offering may be offered to potential new business local exchange customers. In addition, the Company may provide a retention benefit to any existing business customer who has retained a service for some period of time.

2. For a potential new business customer, the Company may provide an incentive offer no more often than once in any one-year period. In retention situations, the Company may provide an incentive no more often than once in any one-year period with respect to any particular service or feature

3. To qualify for these offers, a business customer is required to have a satisfactory credit rating with the Company.

GENERAL REGULATIONS

LL. Business Customer Incentive Program (Continued)

2. Terms and Conditions (Continued)

4. For a potential new business local exchange customer, the Company may condition its offers upon the customer remaining with the Company for a minimum of one year. Any minimum period of time shall be identified to the business customer as part of the offer. In such cases, if the customer terminates service early, the customer may be billed all of the nonrecurring charge(s) and monthly rate(s) waived under this program. The customer is not considered to be opting out if the customer moves to another Company service of equal or greater value.

5. The recipients of the customer incentive offer and the amount of the customer incentive offer shall be in the sole discretion of the Company, but the total value of the offer may not exceed the sum set out in 3.a., following.

6. The Company shall determine the particular details, including but not limited to periods and duration, class of customers, services, amounts, and geographic area, so long as each such offer to a particular local exchange business customer is not inconsistent with the provisions of this Tariff and the amount does not exceed the maximum amount set forth in B.7., following. The Company may prohibit use of this program in conjunction with another being marketed by the Company and/or a Company affiliate.

7. Offers may differ based on reasonable criteria, including the following criteria or combinations of criteria below:

(a) The sales channel through which the products are sold.
(b) A specific geographic area.
(c) Existing customers who request to have one or more products disconnected.
(d) Customers who identify a better competitive offer are available to them. Company representatives may present to these customers multiple offers up to the maximum value under 3a., following.
(e) Such other facts, criteria, and circumstances as the Company believes is a reasonable basis upon which to distinguish among groups of customers.

8. The Company reserves the right to discontinue this offer.

GENERAL REGULATIONS

LL. Business Customer Incentive Program (Continued)

3. Rates and Charges

1. The Customer may be offered one of the following, or the equivalent monetary value, on selected products as determined by the Company:

(a) A waiver of an amount up to 100% of the current business nonrecurring rate(s) or charge(s), or
(b) A waiver of up to three months of the recurring rate(s) or charge(s), or
(c) A waiver of an amount up to 100% of the current business nonrecurring rate(s) or charge(s) and up to three months of the recurring rate(s) or charge(s), or
(d) A benefit or consideration offered or provided that is not associated with a service or product offered by the Company such as CPE, merchandise, or discounts on merchandise offered by others, gift certificates, gift cards or otherwise, in the discretion of the Company. In determining the value of noncash offers or benefits, the actual cost incurred by the Company, not to exceed the sum of 3.a.(3) above, shall be used.

2. The waiver(s) will appear in the form of a credit(s) on the customer's bill. The waiver may be one-time, or spread over a period of up to 12 months in a fashion determined by the Company.

3. Waiver amounts are calculated on the first month's nonrecurring charge(s) and monthly rate(s). The total waived amount will not exceed the value of the total nonrecurring rate(s) or charge(s) plus three months service of the monthly rate(s) or charge(s).

DEFINITIONS

ACCESS LINE - A line which connects a customer to the central (switching point) office of an exchange through which calls can be made without additional charge.

ACOUSTICAL CONNECTION - A connecting arrangement without electrical connections that permits transmission of sound between a telephone instrument and customer-provided equipment.

ADDITIONAL LISTING - Any listing of a name or other authorized information in connection with a customer's telephone number in addition to that which he is entitled in connection with his regular service.

APPLICATION - A request made orally or in writing for telephone service.

AUTHORIZED USER - A person, firm or corporation (other than the customer) on whose premises a telephone, PBX or private-line service or channel is located and who may communicate over such channels in accordance with the terms of the Tariff.

BUSINESS SERVICE - Telephone service furnished to customers where the actual or obvious use is of a business, professional or occupational nature.

CENTRAL OFFICE - A switching unit in a telephone system which provides service to the general public, having the necessary equipment and operating arrangements for the terminating and interconnecting customer lines and trunks or trunks only. There may be more than one central office in a building or exchange.

CENTRAL OFFICE LINE - A circuit directly connecting an individual or party line main station, PBX switchboard, or an intercommunicating system with a central office.

CHANNEL - A path for communication between two or more stations or central offices furnished in such a manner as the Company may elect, whether by wire radio or a combination thereof and whether or not by a single physical facility or route.

CIRCUIT - A channel used for the transmission of electrical energy in the furnishing of telephone and other communication services.

CLASS OF SERVICE - The various categories of service generally available to the customer such as business, residence, or coin line service.

DEFINITIONS

COIN TELEPHONE SERVICE - Refer to "Public Telephone."

COMMUNICATIONS SYSTEM - Channels and other facilities which are capable, when not connected to exchange telecommunications service, of two-way communications between customer-provided terminal equipment or company stations.

COMPANY - A corporation, association, partnership or individual engaged in the business of furnishing telephone and other communications services to the public.

CONNECTING ARRANGEMENT - The equipment provided by the Company to accomplish the direct electrical connection of customer-provided facilities with the facilities of the Company or of facilities of the Company with other facilities of the Company.

CONNECTING COMPANY - A corporation, association, partnership or individual owning or operating one or more exchanges and with which communications services are interchanged.

CONNECTOR - Refer to "Switch."

CONNECTION CHARGE - Refer to "Service Charge."

CONSTRUCTION CHARGE - A separate nonrecurring charge made for the construction of facilities in excess of those contemplated under the rates quoted in the Exchange Tariffs.

CONTINUOUS PROPERTY - The plot of ground, together with any building thereon, occupied by the customer, which is not divided by public highways or separated by property occupied by others.

CONTRACT - The agreement between a customer and the Company under which service and facilities are furnished in accordance with the applicable provisions of the tariffs.

COST - The cost of labor and materials, which includes appropriate amounts to cover the Company's general operating and administrative expenses.

CUSTOMER - The individual, partnership, association or corporation which contracts for telephone service and is responsible for the payment of charges and compliance with the general regulations of the Company.

CUSTOMER OWNED PAY TELEPHONE SERVICE - Customer provided, customer owned coin or non-coin operated telephones at locations accessible to the public, e.g., store, business places, including boarding or rooming houses, employee lounges and school or college buildings, where desired by the owner.

CUSTOMER-PROVIDED EQUIPMENT - Devices, apparatus, and/or associated wiring provided by a customer.

DEFINITIONS

DATA ACCESS ARRANGEMENT - A protective connecting arrangement for use with the network control signaling unit; or in lieu of the connecting arrangement, and arrangement to identify a central office line and protective facilities and procedures to assure proper operation and protection of the telecommunications network.

DEMARCATION POINT - Refer to "Point of Demarcation."

DIAL SWITCHING EQUIPMENT - A unit of electromechanical or electronic switching used in a central office or in connection with a PBX system.

DIRECT CONNECTION - Connection of terminal equipment to the telephone network by means other than acoustic or inductive coupling.

DIRECTORY LISTING - A publication in the Company's alphabetical directory of information relative to a customer's name or other identification and telephone number.

DISCONNECT NOTICE - The written notice sent to a customer following billing notifying him that his service will be discontinued if charges are not satisfied by the date specified on the notice.

DROP WIRE - That portion of a circuit between the pole line or cable distributing box and building in which the station or switchboard is located.

DUE NOTICE - Refer to "Disconnect Notice."

ENHANCED LIFELINE SERVICE/TRIBAL LANDS - Additional Federal Lifeline and Tribal Linkup assistance for qualifying low-income individuals living on federally recognized tribal lands (American Indian and Alaska Native) to reduce the cost of basic telephone service and offset initial connection charges and line extension costs associated with the initiation of service for those individuals. (T)

ENTRANCE FACILITIES - Facilities extending from the point of entrance on private property to the premises on which service is furnished.

EXCHANGE - A geographical area established for the administration of telephone service in a specified area, called the "exchange area," which usually embraces a city, town or village and its environs. It may contain one or more central offices together with the associated plant, equipment and facilities used in furnishing communication service within that area.

EXCHANGE AREA - The territory served by an exchange.

EXCHANGE LINE - Any circuit connecting an exchange station at the point of demarcation with a central office.

EXCHANGE SERVICE - The furnishing of facilities for the telephone communication within an exchange area in accordance with the regulations and charges specified in the Local or General Exchange Tariffs. Exchange facilities are used to establish and maintain connection between an exchange station and the other telephone plant and facilities in connection with long-distance calls or Extended Area Service calls.

DEFINITIONS

EXCHANGE STATION - A station connected with a central office of the Company over its own lines.

EXTENDED AREA SERVICE - Interexchange telephone service furnished at a flat rate between two or more exchange areas.

EXTRA LISTING - Refer to “Additional Listing."

FLAT-RATE SERVICE - Service furnished at a fixed monthly rate including Extended Area Service where applicable.

FOREIGN ATTACHMENT - Equipment or facilities not owned or furnished by the Company, which are attached or connected to, and used, with, exchange telephone service.

FOREIGN CENTRAL OFFICE - Any central office other than that which serves the area in which the customer is located.

FOREIGN EQUIPMENT - Refer to "Foreign Attachment."

FOREIGN EXCHANGE LINE MILEAGE - The measurement applying to that portion of a central office line connecting a customer with a foreign central office, from the common boundary line to the customer's station, for which a monthly rate is made in addition to the base rate for exchange service.

FOREIGN EXCHANGE SERVICE - Telephone exchange service furnished to a customer through a central office of an exchange other than the exchange regularly serving the area in which the customer is located.

GRADE OF SERVICE - The term used in describing exchange service with respect to the number of parties served on a telephone line.

GRANDFATHERED EQUIPMENT - Equipment so designated by the FCC, which may be connected to services of the Company.

HARM - Harm consists of hazards to personnel, damage to Company equipment, and impairment of service to persons other than the user of the customer-provided equipment. Types of harm include, but shall not be limited to, voltages dangerous to personnel, destruction of or damage to equipment, induced noise or cross talk, incorrect dial pulsing, failure of supervision, false answer, incorrect billing, absence of voice band transmission path for call progress signals, and loss of capability to answer an incoming call.

INDIVIDUAL LINE - An exchange line coupled with the inside wire necessary for the connection of a telephone set.

INDUCTIVE CONNECTION - Electromagnetic coupling between customer-provided equipment and Company equipment by means of mutual inductance between an inductor in the Company equipment and a customer-provided inductor external to the Company equipment.

DEFINITIONS

INITIAL SERVICE PERIOD - The minimum length of time for which a customer is obligated to pay for service, whether or not retained by the customer for such minimum length of time.

INTERCOMMUNICATING SYSTEM - An arrangement involving two or more stations which enables a user to signal and connect with other stations in the system.

INTERCONNECTION - The method by which telecommunications facilities of the Company are arranged to transmit to, or receive information from, customer-provided equipment.

LIMITED SERVICE - Service which is limited to customers at existing locations.

LINE EXTENSION - A circuit extending from a main terminal to an auxiliary terminal such as a line from a PBX switchboard to a telephone set or to a key.

LINE EXTENSION MILEAGE - The charges made for off-premises circuit extending from the main terminal.

LINE FINDER. - Refer to "Switch."

LOCAL CHANNEL - That portion of a channel which connects a station to an inter-exchanging channel or channel connecting two or more stations within an exchange area.

LOCAL EXCHANGE SERVICE - Telephone communications within a local service area in accordance with the provisions of the Company's tariffs.

LOCAL MESSAGE - A completed communication between customers' stations located within the same exchange are or local service area.

LOCAL SERVICE AREA - The area within which telephone service is furnished under a specific schedule of rates without the application of specific charges for each message.

LONG-DISTANCE MESSAGE - Refer to "Toll Message."

LONG-DISTANCE SERVICE - That part of the total telephone service provided by the Company, which is furnished between customers in different exchange areas in accordance with the rates and regulations specified in the Company's Toll Tariff.

DEFINITIONS

MAIN TERMINAL - The termination of a central office line on a customer's premises, usually at a protector.

MAINTENANCE OF SERVICE CHARGE - A charge applied when the use of customer-provided equipment or facilities causes impairment or harm to the Company's service or facilities.

MESSAGE - A completed customer call.

MILEAGE - A measurement upon which charges are computed. Refer to "Line Extension Mileage".

MINIMUM CONTRACT PERIOD - The minimum length of time for which a customer is obligated to pay for service, facilities and equipment whether or not retained by the customer for such minimum length of time.

MOBILE TELEPHONE SERVICE - A communication service provided by means of radio frequencies through a land radiotelephone base station. Connections may be established between a wire station and a mobile or fixed unit or between two mobile or fixed units.

MODULAR CONNECTING DEVICE - A type of jack and plug arrangement as defined by the FCC.

NETWORK ACCESS POINT - A connector, outlet, or wiring termination on a customer's premises which affords connection to the services of the Company.

NETWORK CONTROL SIGNALING UNIT - The terminal equipment furnished, installed and maintained by the Company for the provision of network control signaling.

NONRECURRING CHARGE - A one-time charge associated with a specific item of equipment. This charge applies to installation and to subsequent modification.

NOTICE - Refer to "Disconnect Notice." NRC - Refer to "Nonrecurring Charge."

DEFINITIONS

PARTY LINE - An Exchange line designed for the connection of more than one primary terminal with the central office.

POINT OF DEMARCATION - The point of connection provided and maintained by the Company to which the customer-premise inside station wiring becomes dedicated to an individual customer's use.

PREMISES - The buildings, portion or portions of a building on continuous property used and/or occupied at one time by the customer in the conduct of his business or as a residence. Where floor space in adjoining buildings is made continuous at one or more floor levels, all floor space in both buildings is considered as the same premises in so far as the customer who uses and occupies such continuous floor space is concerned, the two buildings otherwise being considered as separate buildings.

PRIVATE BRANCH EXCHANGE - A "Private Branch Exchange", or "Private Branch Exchange System", is an arrangement of equipment consisting of a switchboard or switching equipment situated on a customer's premises, stations connected with the switchboard or switching equipment, and connected by trunks with a central office, all of which provide for selective signaling and interconnection of such stations with each other, and for communication with the general exchange system of the Company and for toll service.

PRIVATE LINE - A circuit provided to furnish communication between two or more terminals directly connected to it. Such terminals do not have access to the general exchange and interexchange networks.

PUBLIC TELEPHONE - An exchange station, attended or equipped with a coin-collecting device, designed and placed for use by the public in general at locations chosen or accepted by the Company.

REGISTERED TERMINAL EQUIPMENT - Terminal equipment registered in accordance with FCC regulations which may be connected to access services of the Company.

RESIDENCE SERVICE - Telephone service furnished to customers when the actual or obvious use is for domestic purposes.

SELECTOR - Refer to "Switch."

SERVICE CHARGES - The charges a customer is required to pay for establishing telephone service or subsequent modification of that service.

STATION - Specific identifying number associated with a location on a communications system.

DEFINITIONS

SUBSCRIBER - Refer to "Customer."

SWITCH - A unit of dial switching equipment, which provides interconnection between station lines or trunks.

TARIFF - The rates, charges, and general regulations filed by the Company with the Minnesota Public Service Commission and the South Dakota Public Utilities Commission.

TELEPHONE COMPANY - Refer to "Company."

TELECOMMUNICATIONS SERVICE PRIORITY (TSP) SYSTEM - The Telecommunications Service Priority (TSP) System is a service that provides for the priority provisioning and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services. NSEP telecommunications services are defined by the Federal Communications Commission (FCC) as those services which are used to maintain a state of readiness or to respond to and manage any event or crisis (local, national or international), which causes or could cause injury or harm to the population, damage to or loss of property, or degrades or threatens the NSEP posture of the United States. The TSP System applies only to NSEP services and provides the Company with a guide to the sequence in which services are to be provisioned and/or restored.

TERMINATION CHARGE - A charge applied under certain conditions when a contract for service is terminated by the customer before the expiration of the minimum contract period.

TERMINAL EQUIPMENT ACCESSORIES - Devices, apparatus and their associated wiring, provided by a customer, which do not constitute a communications system and which when connected to the telecommunications system of the Company are connected electrically, acoustically or inductively.

TIE LINE - A circuit connecting two PBX systems for the purpose of interconnection between the stations connected with such systems.

TIE LINE MILEAGE - The measurement on which the rates for tie lines connecting customers' switchboards are based.

DEFINITIONS

TOLL CENTER - A telephone switching center at which the operations function (message timing, switching, and recording) takes place in connection with the provision of toll message service.

TOLL LINE - A circuit used exclusively for the transmission of messages between points located in different exchange areas where specific charges for each such message are applicable.

TOLL MESSAGE - A message between stations in difference exchange areas and furnished under the provisions of the applicable Toll Tariff.

1. Person-to-Person Toll Message: A toll message in which the user stipulates a desire for communication with a specified person or extension station at a specified location.

2. Station-to-Station Toll Message: A toll message in which the user stipulates a desire for communication only with a specified telephone or switchboard.

3. Collect Message: A toll message in which the charge may be reversed provided the charge is accepted at the called station. A collect call may be billed to a Credit Card or third party number. In case of a public or semi-public coin telephone the charges must be billed to a Credit Card of third-party number, or the call may be reoriginated from the called station.

4. Third Number Message: A toll message in which associated charges are billed neither to the calling station nor to the called station but rather to a station not involved in the message.

5. Calling Card Message: A toll message in which associated charges are billed to a credit card number assigned by a telephone company and issued to either the called or calling party.

TOLL RATE - The initial period charge prescribed for a toll message usually based upon the minimum initial period and distance between charges.

TOLL SERVICE - Toll service (long-distance service) is that part of the total telephone service rendered by the Company which is furnished between customers and different exchange areas in accordance with the rates and regulations specified in the Company's Toll Tariff.

TRUNK LINE - A circuit over which customers' messages are sent between two central offices or between a central office and a PBX system.

TWO-PARTY LINE - Refer to "Party Line."

UNDERGROUND SERVICE CONNECTION - A customer's "drop" wire, which is run underground from a pole line or an underground distributing cable.

WATS (WIDE AREA TELECOMMUNICATIONS SERVICE) - The furnishing of inward or outward switched telephone communications service between a wide area service line and specified service areas or bands.

LOCAL EXCHANGE SERVICE

INDEX

| | | Sheet Number |
|---|---|---|
| A. | GENERAL | |
| | 1. Local Exchange Service | 1 |
| B. | RATES | |
| | 1. Exchange Listings (Rate Group 1 and Rate Group 2)<br>Including: Exchange name, EAS Components and EAS Points | 3 |
| | 2. Access Line Rate Schedules<br>Rate Group 1<br>Rate Group 2 | <br>11<br>12 |
| | 3. Customer Owned Pay Telephone Service Rate<br>(Refer to Section 5, GENERAL SERVICES for Conditions) | |
| C. | LOCAL EXCHANGE SERVICE OFFERINGS | 20 |
| D. | COMMUNITY PLUS PLAN | 28 |
| E. | LIFELINE ASSISTANCE | 32 |
| F. | MINNESOTA TELEPHONE ASSISTANCE PLAN | 35 |

LOCAL EXCHANGE SERVICE

A. GENERAL

The rates for Local Exchange Service are subject to the conditions set forth herein and the General Regulations governing provision of service. The General Regulations are set forth in Section 2 of this Tariff.

1. Local Exchange Service

a. The Local Exchange Service Rates in this section are for service only and do not include any terminal equipment beyond the point of demarcation. Local Exchange Service Rates are composed of an Access Line Rate component in every case and an Extended Area Service component if applicable.

b. The local exchange rate component is determined by the classes and grades of service provided in the rate schedule. The availability of a class or grade of service within an exchange is governed by the local exchange service-offering sheet.

c. The minimum classes and grades of services offered within each rate schedule are:

1) Schedule - Rate Group 1

a) The minimum grade of service offered in Rate Group 1 exchanges will be business individual line and residence individual line flat rate service throughout the exchange area.

2) Schedule - Rate Group 2

a) The minimum grade of service offered in Rate Group 2 exchanges will be business individual line and residence individual line service.

LOCAL EXCHANGE SERVICE

A. GENERAL (Continued)

1. Local Exchange Service (Continued)

d. Extended Area Service (EAS)

1) Establishment and discontinuance of EAS will be contingent upon commission authorization.

2) Extended Area Service Rate Component.

a) EAS is a premium type service offering made by the Company to certain exchanges, under specific conditions.

b) The Extended Area Service rate component, where applicable, for each exchange is in addition to any LOCAL EXCHANGE SERVICE Access Line Rates.

c) The EAS rate components have been developed by applying a combination of the number of main stations in the "home" exchange and the total EAS circuits.

e. Taxes

1) Applicable taxes levied by federal, state, county and local taxing authorities are in addition to the rates set forth in this tariff. (Refer to General Regulations, Section 2).

LOCAL EXCHANGE SERVICE

B. RATES

1. RATE GROUP 1 Exchange Listing

EAS Components

| Exchange Name | Bus. | Res. | EAS Points | |
|---|---|---|---|---|
| Adams | $7.50 | $3.75 | Austin | |
| Alborn | 7.50 | 3.75 | Duluth, Meadowlands | |
| Alden | 7.50 | 3.75 | Albert Lea, Conger | |
| Almelund (1) | 26.95 | 13.48 | Metro Area, Taylors Falls | (T) |
| Alvarado | - | - | None | |
| Arco | 2.80 | 1.40 | Tyler | |
| Argyle | 3.03 | 1.52 | Warren | |
| Askov | 7.50 | 3.75 | Sandstone | |
| Atwater | 7.50 | 3.75 | Kandiyohi, Wilmar | |
| Aurora | 7.10 | 3.60 | Hoyt Lakes, Virginia, Palo, Biwabik | |
| Babbitt | - | - | None | |
| Bear River | 7.50 | 3.75 | Chisolm, Hibbing, Buhl | |
| Belgrade | .70 | .35 | Elrosa | |
| Bigelow | 7.50 | 3.75 | Worthington | |
| Big Falls | - | - | None | |
| Blooming Prairie | - | - | None | |
| Boyd | 6.31 | 3.16 | Cerro Gordo, Dawson | |
| Brimson | 7.50 | 3.75 | Duluth | |
| Brookston | 7.50 | 3.75 | Cloquet, Duluth | |
| Brownsdale | 7.50 | 3.75 | Austin, Hayfield | |

(1) Effective November 12, 2008 for Message Telecommunications Service (MTS) rating purposes,these exchanges are now consolidated under the Twin Cities rate center. Local exchange access line and general service rates and charges are not to be affected by this consolidation. (N) (N)

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

1. RATE GROUP 1 Exchange Listing (Continued)

EAS Components

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Butterfield | $ 5.80 | $ 2.90 | Comfrey, Delft, Mountain Lake, Odin- Ormsby |
| Byron | 7.20 | 3.60 | Rochester, Kasson/Mantorville |
| Cannon Falls | .90 | .45 | White Rock |
| Cherry Grove | 1.70 | .85 | Lime Springs, IA |
| Claremont | 6.08 | 3.04 | Dodge Center, West Concord |
| Clarkfield | .70 | .35 | Hazel Run |
| Clarks Grove | 5.70 | 2.85 | Albert Lea |
| Clear Lake | 5.40 | 2.70 | Clearwater, St. Cloud |
| Clearwater | 5.40 | 2.70 | Clear Lake, St. Cloud |
| Comfrey | 1.90 | .95 | Butterfield, Delft, Mountain Lake, Odin- Ormsby |
| Cosmos | 2.80 | 1.40 | Hector, Lake Lillian |
| Cottonwood | 7.50 | 3.75 | Hanley Falls, Marshall |
| Crane Lake | .76 | .37 | Orr |
| Cromwell | 16.82 | 8.41 | Wright, Duluth-Cloquet-Carlton Local Calling Area |
| Delft | 7.50 | 3.75 | Butterfield, Comfrey, Mountain Lake, Windom |
| Denham | 7.50 | 3.75 | Moose Lake, Sturgeon Lake |
| Dexter | 7.50 | 3.75 | Austin |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

1. RATE GROUP 1 Exchange Listing (Continued)

EAS Components

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Dodge Center | $11.86 | $5.93 | Claremont, West Concord, Kasson, Mantorville |
| Ellendale | - | - | None |
| Elrosa | 11.66 | 5.84 | Belgrade, Sauk Centre, Greenwald-Melrose Local Calling Area |
| Ely | - | - | None |
| Embarrass | 4.80 | 2.40 | Virginia |
| Ericsburg | 7.85 | 3.92 | International Falls, Kabetogama, Ranier |
| Finlayson | 1.85 | .93 | Sandstone |
| Floodwood | 8.37 | 4.19 | Alborn, Duluth, Meadowlands |
| Fountain | 4.60 | 2.30 | Preston |
| Garrison | - | - | None |
| Gateway | 1.10 | .55 | McGregor |
| Ghent | 7.50 | 3.75 | Marshall, Minneota |
| Greaney | 7.50 | 3.75 | Cook, Orr |
| Hallock | 1.90 | .95 | Humboldt |
| Hanley Falls | 2.90 | 1.45 | Cottonwood |
| Hardwick | 7.10 | 3.55 | Jasper, Luverne |
| Hayfield | .60 | .30 | Brownsdale |
| Hazel Run | 5.10 | 2.55 | Clarkfield |
| Hector | 1.60 | .80 | Buffalo Lake, Cosmos |
| Herman | - | - | None |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

1. RATE GROUP 1 Exchange Listing (Continued)

EAS Components

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Hollandale | $4.70 | $2.35 | Albert Lea |
| Hoyt Lakes | 7.50 | 3.75 | Aurora, Biwabik, Palo, Virginia |
| International Falls | 1.75 | .87 | Ericsburg, Ranier, Kabetogama |
| Isabella | - | - | None |
| Isle | 3.90 | 1.95 | Malmo, Onamia, Wahkon |
| Jacobson | 7.50 | 3.75 | Grand Rapids, Warba |
| Jasper | 3.20 | 1.60 | Hardwick, Pipestone |
| Kabetogama | 8.03 | 4.01 | Ericsburg, International Falls, Ranier |
| Kandiyohi | 7.50 | 3.75 | Atwater, Svea, Wilmar |
| Kennedy | - | - | None |
| Kenyon | 3.88 | 1.94 | Wanamingo |
| Kettle River | 3.80 | 1.90 | Moose Lake |
| Kiester | - | - | None |
| Kimberly | 7.50 | 3.75 | Aitkin, McGregor |
| Lake Lillian | 7.50 | 3.75 | Cosmos, Svea, Wilmar |
| Leroy | - | - | None |
| Little Fork | - | - | None |
| Lyle | 7.50 | 3.75 | Austin |
| Lynd | 6.10 | 3.05 | Marshall |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

1. RATE GROUP 1 Exchange Listing (Continued)

EAS Components

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Malmo | $ 1.50 | $.75 | Isle |
| McGrath | - | - | None |
| McGregor | 2.20 | 1.10 | Gateway, Kimberly |
| Meadowlands | 7.50 | 3.75 | Alborn, Duluth, Floodwood, Hibbing |
| Milaca | 2.10 | 1.05 | Bock, Foreston, Pease |
| Mountain Lake | 1.70 | .85 | Butterfield, Comfrey, Delft, Odin- Ormsby |
| Nickerson | 2.04 | 1.02 | Moose Lake |
| Odin-Ormsby | 7.50 | 3.75 | Butterfield, Comfrey, Mountain Lake, St. James, Trimont |
| Onamia | 2.00 | 1.00 | Isle, Wahkon |
| Oslo | - | - | None |
| Palisade | 2.20 | 1.10 | Aitkin |
| Palo | 7.50 | 3.75 | Aurora, Biwabik, Hoyt Lakes, Virginia |
| Pease | 7.30 | 3.65 | Bock, Foreston, Milaca |
| Prinsburg | 1.30 | .65 | Raymond, Svea |
| Ranier | 6.65 | 3.32 | Ericsburg, International Falls, Kabetogama |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

1. RATE GROUP 1 Exchange Listing (Continued)

EAS Components

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Raymond | $3.72 | $1.86 | Prinsburg, Wilmar |
| Stephen | - | - | None |
| Sturgeon Lake | 6.60 | 3.30 | Denham, Moose Lake |
| Svea | 7.50 | 3.75 | Kandiyohi, Lake Lillian, Prinsburg, Wilmar |
| Taylors Falls | 27.69 | 13.85 | Metro Area, St. Croix Falls, WI |
| Tower | 3.19 | 1.59 | Virginia |
| Two Harbors | 7.62 | 3.81 | Duluth, Cloquet |
| Tyler | .90 | .45 | Arco, Ruthton |
| Wahkon | 7.40 | 3.70 | Isle, Onamia |
| Wanamingo | 3.88 | 1.94 | Kenyon |
| Warba | 4.50 | 2.25 | Grand Rapids, Jacobson |
| Warren | 0.92 | 0.46 | Argyle |
| West Concord | 6.08 | 3.04 | Claremont, Dodge Center |
| Wheaton | - | - | None |
| Wright | 2.80 | 1.40 | Cromwell |
| West Jasper, SD | 3.20 | 1.60 | Hardwick, Pipestone |
| West Oslo, ND | - | - | None |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

2. RATE GROUP 2 Exchange Listing

| | EAS Flat Rate Service (3) | | | |
|---|---|---|---|---|
| | Component 1 | Component 2 | | |
| Exchange Name | | | EAS Points | |
| Delano (4) | (1) | (2) | Metro Area | |
| Lindstrom | (1) | (2) | Osceola, WI, Metro Area | |
| Maple Plain (4) | (1) | (2) | Metro Area | |
| Mayer (4) | (1) | (2) | Metro Area | |
| Mound (4) | (1) | (2) | Metro Area | |
| New Germany (4) | (1) | (2) | Metro Area | |
| St. Bonifacius (4) | (1) | (2) | Metro Area | |
| Scandia-Marine | (1) | (2) | Osceola, WI, Metro Area | |
| Watertown (4) | (1) | (2) | Metro Area | |
| Wyoming (4) | (1) | (2) | Metro Area | (T) |

(1) The EAS Flat Rate Component 1 is for Metro EAS in service on November 13, 2002. See B.3. of this Section.

(2) The EAS Flat Rate Component 2 is for EAS added after November 13, 2002. See B.6. of this Section.

(3) The total of Components 1 and 2 are included in the Rate Group 2 "Access Line Rate Schedule" in B.5. of this Section.

(4) Effective November 12, 2008 for Message Telecommunications Service (MTS) rating purposes, these exchanges are now consolidated under the Twin Cities rate center. Local exchange access line and general service rates and charges are not to be affected by this consolidation. (N) (T)

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

3. Rate Group 2 EAS Flat Rate Component 1

Class of Service and Implicit EAS Rate

| EXCHANGE | BUS. 1-PTY | BUS. TRUNK | KEY LINE | RES. 1-PTY | SCHOOL LINE/TRUNK | COPTS FLAT | COPTS METERED | COIN LINE |
|---|---|---|---|---|---|---|---|---|
| Delano | $15.00 | $15.00 | $15.00 | $7.50 | $15.00 | $15.00 | $15.00 | $15.00 |
| Lindstrom | 15.00 | 15.00 | 15.00 | 7.50 | 15.00 | 15.00 | 15.00 | 15.00 |
| Maple Plain | 15.00 | 15.00 | 15.00 | 7.50 | 15.00 | 15.00 | 15.00 | 15.00 |
| Mayer | 15.00 | 15.00 | 15.00 | 7.50 | 15.00 | 15.00 | 15.00 | 15.00 |
| Mound | 15.00 | 15.00 | 15.00 | 7.50 | 15.00 | 15.00 | 15.00 | 15.00 |
| New Germany | 15.00 | 15.00 | 15.00 | 7.50 | 15.00 | 15.00 | 15.00 | 15.00 |
| St. Bonifacius | 15.00 | 15.00 | 15.00 | 7.50 | 15.00 | 15.00 | 15.00 | 15.00 |
| Scandia-Marine | 15.00 | 15.00 | 15.00 | 7.50 | 15.00 | 15.00 | 15.00 | 15.00 |
| Watertown | 15.00 | 15.00 | 15.00 | 7.50 | 15.00 | 15.00 | 15.00 | 15.00 |
| Wyoming | 15.00 | 15.00 | 15.00 | 7.50 | 15.00 | 15.00 | 15.00 | 15.00 |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

4. RATE GROUP 1 Access Line Rate Component Schedule (1)

| CLASS AND GRADE OF SERVICE WITHIN THE EXCHANGE AREA | Billing Code | Monthly Rate |
|---|---|---|
| BUSINESS SERVICE | | |
| Individual Line/Centrex | B1 | $54.00 (01/06/2025) |
| Business Trunk/Centrex | PTK | 91.00 (08/25/2025) |
| Key Business Line/Centrex | | 39.00 (03/01/2024) |
| RESIDENCE SERVICE | | |
| Individual Line/Centrex | R1 | 18.25 (06/26/2024) |
| SCHOOL SERVICE | | |
| Individual Line/Centrex/Key Line | SCHL | 23.44 (4) |
| Business Trunk | PBXV | 23.44 (4) |
| CUSTOMER OWNED PAY TELEPHONE SERVICE | | |
| Flat Rate | | 39.00 (2) (03/01/2024) |
| Metered, Plus $ .10 per call | PALM | 20.79 (3) |
| Coin Line | | 35.05 (2) |

(1) Includes implicit touch calling service.
(2) In accordance with Docket P-407/M-85-601 dated November 19, 1985 this rate applies in exchanges serving 9 or less coin telephone access lines.
(3) In exchanges serving 10 or more coin telephone access lines the Company shall provide a metered rate.
(4) Used for additional lines of service to schools from Kindergarten through 12th grade as required by law. The appropriate business EAS component also applies.

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

5. Rate Group 2 Access Line Rate Schedule (1)

| CLASS AND GRADE OF SERVICE WITHIN THE EXCHANGE AREA | Billing Code | Monthly Rate |
|---|---|---|
| BUSINESS SERVICE | | |
| Individual Line/Centrex | B1 | $68.03 (01/06/2025) |
| Business Trunk/Centrex | PTK | 53.03 (03/01/2024) |
| Key Business Line/Centrex | | 53.03 (03/01/2024) |
| RESIDENCE SERVICE | | |
| Individual Line/Centrex | R1 | 26.01 (06/26/2024) |
| SCHOOL SERVICE | | |
| Individual Line/Centrex/Key Line | BSCHL | 37.47 (4) |
| Business Trunk | PBXV | 37.47 (4) |
| CUSTOMER OWNED PAY TELEPHONE SERVICE | | |
| Flat Rate | | 53.03 (2) (03/01/2024) |
| Metered, Plus $.10 per call | PALM | 34.82 (3) |
| Coin Line | | 49.58 (2) |

(1) All rates for the following classes and grades of service include Touch Calling service and include the EAS rate components listed in B.2. of this Section.
(2) In accordance with Docket P-407\M-85-601 dated November 19, 1985 this rate applies in exchanges serving 9 or less coin telephone access lines.
(3) In exchanges serving 10 or more coin telephone access lines the Company shall provide a metered rate.
(4) Used for additional lines of service to schools from Kindergarten through 12th grade as required by law.

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

6. Separation of EAS Components

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Boyd | | | |
| Facilities Cost | $2.31 | $1.16 | |
| Lost Access Revenue Recovery | 4.00 | 2.00 | |
| Total | $6.31 | $3.16 | Cerro Gordo, Dawson |
| Almelund | | | |
| Subtotal 1 | $7.40 | $3.70 | Lindstrom, North Branch, Taylors Falls |
| Facilities Cost | $1.14 | $0.57 | |
| Lost Access Revenue Recovery | 18.19 | 9.09 | |
| Subtotal 2 | $19.33 | $9.66 | Metro Area as of November 13, 2002, excluding Lindstrom & North Branch |
| Facilities Cost | $0.01 | $0.01 | |
| Lost Access Revenue Recovery | 0.01 | 0.00 | |
| Subtotal 3 | $0.02 | $0.01 | Lonsdale (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.00 | 0.00 | |
| Subtotal 4 | $0.00 | $0.00 | Henderson (Metro Area) |
| Facilities Cost | $0.01 | $0.00 | |
| Lost Access Revenue Recovery | 0.02 | 0.01 | |
| Subtotal 5 | $0.03 | $0.01 | Howard Lake (Metro Area) |
| Facilities Cost | $0.02 | $0.01 | |
| Lost Access Revenue Recovery | 0.06 | 0.03 | |
| Subtotal 6 | $0.08 | $0.04 | Maple Lake (Metro Area) |
| Facilities Cost | $0.02 | $0.01 | |
| Lost Access Revenue Recovery | 0.03 | 0.02 | |
| Subtotal 7 | $0.05 | $0.03 | Princeton (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.00 | 0.00 | |
| Subtotal 8 | $0.00 | $0.00 | Le Center (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.02 | 0.01 | |
| Subtotal 9 | $0.02 | $0.01 | Northfield (Metro Area) |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

6. Separation of EAS Components

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Almelund | | | |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.02 | 0.02 | |
| Subtotal 10 | $0.02 | $0.02 | Cokato (Metro Area) |
| Total | $26.95 | $13.48 | |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

6. Separation of EAS Components

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Rate Group 2 Exchanges | | | |
| Facilities Cost | $0.07 | $0.03 | |
| Lost Access Revenue Recovery | 0.06 | 0.03 | |
| Subtotal 1 | $0.13 | $0.06 | Almelund |
| Facilities Cost | $0.04 | $0.02 | |
| Lost Access Revenue Recovery | 0.05 | 0.02 | |
| Subtotal 2 | $0.09 | $0.04 | Taylors Falls |
| Facilities Cost | $0.01 | $0.01 | |
| Lost Access Revenue Recovery | 0.01 | 0.00 | |
| Subtotal 3 | $0.02 | $0.01 | Lonsdale (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.00 | 0.00 | |
| Subtotal 4 | $0.00 | $0.00 | Henderson (Metro Area) |
| Facilities Cost | $0.01 | $0.00 | |
| Lost Access Revenue Recovery | 0.02 | 0.01 | |
| Subtotal 5 | $0.03 | $0.01 | Howard Lake (Metro Area) |
| Facilities Cost | $0.02 | $0.01 | |
| Lost Access Revenue Recovery | 0.06 | 0.03 | |
| Subtotal 6 | $0.08 | $0.04 | Maple Lake (Metro Area) |
| Facilities Cost | $0.02 | $0.01 | |
| Lost Access Revenue Recovery | 0.03 | 0.02 | |
| Subtotal 7 | $0.05 | $0.03 | Princeton (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.00 | 0.00 | |
| Subtotal 8 | $0.00 | $0.00 | Le Center (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.02 | 0.01 | |
| Subtotal 9 | $0.02 | $0.01 | Northfield (Metro Area) |
| Facilities Cost | $0.01 | $0.00 | |
| Lost Access Revenue Recovery | 0.08 | 0.04 | |
| Subtotal 10 | $0.09 | $0.04 | Winsted (Metro Area) |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

6. Separation of EAS Components (Continued)

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Rate Group 2 Exchanges | | | |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.02 | 0.02 | |
| Subtotal 11 | $0.02 | $0.02 | Cokato (Metro Area) |
| Total | $0.53 | $0.26 | |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

6. Separation of EAS Components (Continued)

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Kabetogama | | | |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 8.03 | u | |
| Total | $8.03 | $4.01 | Ericsburg, International Falls, Ranier |
| International Falls | | | |
| Subtotal 1 | $1.40 | $0.70 | Ericsburg, Ranier |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.35 | u | |
| Subtotal 2 | $0.35 | $0.17 | Kabetogama |
| Total | $1.75 | $0.87 | |
| Dodge Center | | | |
| Subtotal 1 | $6.08 | $3.04 | Claremont, West Concord |
| Facilities Cost | $0.80 | $0.40 | |
| Lost Access Revenue Recovery | 4.98 | 2.49 | |
| Subtotal 2 | $5.78 | $2.89 | Kasson, Mantorville |
| Total | $11.86 | $5.93 | |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

6. Separation of EAS Components (Continued)

| | | | |
|---|---|---|---|
| Taylors Falls | | | |
| Subtotal 2 | $7.50 | $3.75 | Almelund, Lindstrom, St Croix Falls, WI |
| Facilities Cost | $0.89 | $0.44 | |
| Lost Access Revenue Recovery | 19.08 | 9.54 | |
| Total | $19.97 | $9.98 | Metro Area as of November 13, 2002 |
| | | | excluding Lindstrom |
| Facilities Cost | $0.01 | $0.01 | |
| Lost Access Revenue Recovery | 0.01 | u | |
| Subtotal 3 | $0.02 | $0.01 | Lonsdale (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.00 | 0.00 | |
| Subtotal 3 | $0.00 | $0.00 | Henderson (Metro Area) |
| Facilities Cost | $0.01 | $0.00 | |
| Lost Access Revenue Recovery | 0.02 | 0.01 | |
| Subtotal 3 | $0.03 | $0.01 | Howard Lake (Metro Area) |
| Facilities Cost | $0.02 | $0.01 | |
| Lost Access Revenue Recovery | 0.06 | 0.03 | |
| Subtotal 3 | $0.08 | $0.04 | Maple Lake (Metro Area) |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

6. Separation of EAS Components (Continued)

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Taylors Falls (Continued) | | | |
| Facilities Cost | $0.02 | $0.01 | |
| Lost Access Revenue Recovery | 0.03 | 0.02 | |
| Subtotal 7 | $0.05 | $0.03 | Princeton (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.00 | 0.00 | |
| Subtotal 8 | $0.00 | $0.00 | Le Center (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.02 | 0.01 | |
| Subtotal 9 | $0.02 | $0.01 | Northfield (Metro Area) |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.02 | 0.02 | |
| Subtotal 10 | $0.02 | $0.02 | Cokato (Metro Area) |
| Total | $27.69 | $13.85 | |
| Ericsburg | | | |
| Subtotal 1 | $7.50 | $3.75 | International Falls, Rainer |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.35 | 0.17 | |
| Subtotal 2 | $0.35 | $0.17 | Kabetogama |
| Total | $7.85 | $3.92 | |
| Rainer | | | |
| Subtotal 1 | $6.30 | $3.15 | Ericsburg, International Falls |
| Facilities Cost | $0.00 | $0.00 | |
| Lost Access Revenue Recovery | 0.35 | 0.17 | |
| Subtotal 2 | $0.35 | $0.17 | Kabetogama |
| Total | $6.65 | $3.32 | |
| Crane Lake | | | |
| Facilities Cost | $0.30 | $0.15 | |
| Lost Access Revenue Recovery | 0.46 | 0.22 | |
| Total | $0.76 | $0.37 | Orr |

LOCAL EXCHANGE SERVICE

B. RATES (Continued)

6. Separation of EAS Components (Continued)

| Exchange Name | Bus. | Res. | EAS Points |
|---|---|---|---|
| Argyle | | | |
| Facilities Cost | $0.56 | $0.28 | |
| Lost Access Revenue Recovery | 2.47 | 1.24 | |
| Total | $3.03 | $1.52 | Warren |
| Warren | | | |
| Facilities Cost | $0.17 | $0.09 | |
| Lost Access Revenue Recovery | 0.75 | 0.37 | |
| Total | $0.92 | $0.46 | Argyle |
| Elrosa | | | |
| Facilities Cost | $1.43 | $0.71 | |
| Lost Access Revenue Recovery | 2.06 | 1.04 | |
| Subtotal 1 | $3.49 | $1.75 | Sauk Centre |
| Facilities Cost | $1.43 | $0.71 | |
| Lost Access Revenue Recovery | 3.44 | 1.73 | |
| Subtotal 2 | $4.87 | $2.44 | Greenwald - Melrose Local Calling Area |
| Total | $8.36 | $4.19 | |
| Cromwell | | | |
| Facilities Cost | $0.50 | $0.25 | |
| Lost Access Revenue Recovery | 15.02 | 7.51 | |
| Total 1 | $15.52 | $7.76 | Duluth-Cloquet-Carlton Local Calling Area |

LOCAL EXCHANGE SERVICE

C. LOCAL EXCHANGE SERVICE OFFERINGS

1. RATE GROUP 1 Exchanges

| EXCHANGE | BUS. 1-PTY | BUS. TRUNK | KEY LINE | RES. 1-PTY | SCHOOL LINE | SCHOOL TRUNK | COIN LINE |
|---|---|---|---|---|---|---|---|
| | EXCHANGE RATE AREA | | | | | | |
| | IN | IN | IN | IN | IN | IN | IN |
| ADAMS | X | X | X | X | X | X | X |
| ALBORN | X | X | X | X | X | X | X |
| ALDEN | X | X | X | X | X | X | X |
| ALMELUND | X | X | X | X | X | X | X |
| ALVARADO | X | X | X | X | X | X | X |
| ARCO | X | X | X | X | X | X | X |
| ARGYLE | X | X | X | X | X | X | X |
| ASKOV | X | X | X | X | X | X | X |
| ATWATER | X | X | X | X | X | X | X |
| AURORA | X | X | X | X | X | X | X |
| BABBITT | X | X | X | X | X | X | X |
| BEAR RIVER | X | X | X | X | X | X | X |
| BELGRADE | X | X | X | X | X | X | X |
| BIGELOW | X | X | X | X | X | X | X |
| BIG FALLS | X | X | X | X | X | X | X |

LOCAL EXCHANGE SERVICE

C. LOCAL EXCHANGE SERVICE OFFERINGS

1. RATE GROUP 1 Exchanges

| EXCHANGE | BUS. 1-PTY | BUS. TRUNK | KEY LINE | RES. 1-PTY | SCHOOL LINE | SCHOOL TRUNK | COIN LINE |
|---|---|---|---|---|---|---|---|
| | EXCHANGE RATE AREA | | | | | | |
| | IN | IN | IN | IN | IN | IN | IN |
| BLOOMING PRAIRIE | X | X | X | X | X | X | X |
| BOYD | X | X | X | X | X | X | X |
| BRIMSON | X | X | X | X | X | X | X |
| BROOKSTON | X | X | X | X | X | X | X |
| BROWNSDALE | X | X | X | X | X | X | X |
| BUTTERFIELD | X | X | X | X | X | X | X |
| BYRON | X | X | X | X | X | X | X |
| CANNON FALLS | X | X | X | X | X | X | X |
| CHERRY GROVE | X | X | X | X | X | X | X |
| CLAREMONT | X | X | X | X | X | X | X |
| CLARKFIELD | X | X | X | X | X | X | X |
| CLARKS GROVE | X | X | X | X | X | X | X |
| CLEAR LAKE | X | X | X | X | X | X | X |

LOCAL EXCHANGE SERVICE

C. LOCAL EXCHANGE SERVICE OFFERINGS

1. RATE GROUP 1 Exchanges

| EXCHANGE | BUS. 1-PTY | BUS. TRUNK | KEY LINE | RES. 1-PTY | SCHOOL LINE | SCHOOL TRUNK | COIN LINE |
|---|---|---|---|---|---|---|---|
| | EXCHANGE RATE AREA | | | | | | |
| | IN | IN | IN | IN | IN | IN | IN |
| CLEARWATER | X | X | X | X | X | X | X |
| COMFREY | X | X | X | X | X | X | X |
| COSMOS | X | X | X | X | X | X | X |
| COTTONWOOD | X | X | X | X | X | X | X |
| CRANE LAKE | X | X | X | X | X | X | X |
| CROMWELL | X | X | X | X | X | X | X |
| DELFT | X | X | X | X | X | X | X |
| DENHAM | X | X | X | X | X | X | X |
| DEXTER | X | X | X | X | X | X | X |
| DODGE CENTER | X | X | X | X | X | X | X |
| ELLENDALE | X | X | X | X | X | X | X |
| ELROSA | X | X | X | X | X | X | X |
| ELY | X | X | X | X | X | X | X |
| EMBARRASS | X | X | X | X | X | X | X |
| ERICSBURG | X | X | X | X | X | X | X |
| FINLAYSON | X | X | X | X | X | X | X |
| FLOODWOOD | X | X | X | X | X | X | X |
| FOUNTAIN | X | X | X | X | X | X | X |

LOCAL EXCHANGE SERVICE

C. LOCAL EXCHANGE SERVICE OFFERINGS

1. RATE GROUP 1 Exchanges

| EXCHANGE | BUS. 1-PTY | BUS. TRUNK | KEY LINE | RES. 1-PTY | SCHOOL LINE | SCHOOL TRUNK | COIN LINE |
|---|---|---|---|---|---|---|---|
| | EXCHANGE RATE AREA | | | | | | |
| | IN | IN | IN | IN | IN | IN | IN |
| GARRISON | X | X | X | X | X | X | X |
| GATEWAY | X | X | X | X | X | X | X |
| GHENT | X | X | X | X | X | X | X |
| GREANEY | X | X | X | X | X | X | X |
| HALLOCK | X | X | X | X | X | X | X |
| HANLEY FALLS | X | X | X | X | X | X | X |
| HARDWICK | X | X | X | X | X | X | X |
| HAYFIELD | X | X | X | X | X | X | X |
| HAZEL RUN | X | X | X | X | X | X | X |
| HECTOR | X | X | X | X | X | X | X |
| HERMAN | X | X | X | X | X | X | X |
| HOLLANDALE | X | X | X | X | X | X | X |
| HOYT LAKES | X | X | X | X | X | X | X |
| INTERNATIONAL FALLS | X | X | X | X | X | X | X |
| ISABELLA | X | X | X | X | X | X | X |
| ISLE | X | X | X | X | X | X | X |
| JACOBSON | X | X | X | X | X | X | X |
| JASPER | X | X | X | X | X | X | X |

LOCAL EXCHANGE SERVICE

C. LOCAL EXCHANGE SERVICE OFFERINGS

1. RATE GROUP 1 Exchanges

| EXCHANGE | BUS. 1-PTY | BUS. TRUNK | KEY LINE | RES. 1-PTY | SCHOOL LINE | SCHOOL TRUNK | COIN LINE |
|---|---|---|---|---|---|---|---|
| | EXCHANGE RATE AREA | | | | | | |
| | IN | IN | IN | IN | IN | IN | IN |
| KABETOGAMA | X | X | X | X | X | X | X |
| KANDIYOHI | X | X | X | X | X | X | X |
| KENNEDY | X | X | X | X | X | X | X |
| KENYON | X | X | X | X | X | X | X |
| KETTLE RIVER | X | X | X | X | X | X | X |
| KIESTER | X | X | X | X | X | X | X |
| KIMBERLY | X | X | X | X | X | X | X |
| LAKE LILLIAN | X | X | X | X | X | X | X |
| LEROY | X | X | X | X | X | X | X |
| LITTLE FORK | X | X | X | X | X | X | X |
| LYLE | X | X | X | X | X | X | X |
| LYND | X | X | X | X | X | X | X |
| MALMO | X | X | X | X | X | X | X |
| MCGRATH | X | X | X | X | X | X | X |
| MCGREGOR | X | X | X | X | X | X | X |
| MEADOWLANDS | X | X | X | X | X | X | X |
| MILACA | X | X | X | X | X | X | X |
| MOUNTAIN LAKE | X | X | X | X | X | X | X |

LOCAL EXCHANGE SERVICE

C. LOCAL EXCHANGE SERVICE OFFERINGS

1. RATE GROUP 1 Exchanges

| EXCHANGE | BUS. 1-PTY | BUS. TRUNK | KEY LINE | RES. 1-PTY | SCHOOL LINE | SCHOOL TRUNK | COIN LINE |
|---|---|---|---|---|---|---|---|
| | EXCHANGE RATE AREA | | | | | | |
| | IN | IN | IN | IN | IN | IN | IN |
| NICKERSON | X | X | X | X | X | X | X |
| ODIN-ORMSBY | X | X | X | X | X | X | X |
| ONAMIA | X | X | X | X | X | X | X |
| OSLO | X | X | X | X | X | X | X |
| PALISADE | X | X | X | X | X | X | X |
| PALO | X | X | X | X | X | X | X |
| PEASE | X | X | X | X | X | X | X |
| PRINSBURG | X | X | X | X | X | X | X |
| RANIER | X | X | X | X | X | X | X |
| RAYMOND | X | X | X | X | X | X | X |
| STEPHEN | X | X | X | X | X | X | X |
| STURGEON LAKE | X | X | X | X | X | X | X |
| SVEA | X | X | X | X | X | X | X |

LOCAL EXCHANGE SERVICE

C. LOCAL EXCHANGE SERVICE OFFERINGS

1. RATE GROUP 1 Exchanges

| EXCHANGE | BUS. 1-PTY | BUS. TRUNK | KEY LINE | RES. 1-PTY | SCHOOL LINE | SCHOOL TRUNK | COIN LINE |
|---|---|---|---|---|---|---|---|
| | EXCHANGE RATE AREA | | | | | | |
| | IN | IN | IN | IN | IN | IN | IN |
| TAYLORS FALLS | X | X | X | X | X | X | X |
| TOWER | X | X | X | X | X | X | X |
| TWO HARBORS | X | X | X | X | X | X | X |
| TYLER | X | X | X | X | X | X | X |
| WAHKON | X | X | X | X | X | X | X |
| WANAMINGO | X | X | X | X | X | X | X |
| WARBA | X | X | X | X | X | X | X |
| WARREN | X | X | X | X | X | X | X |
| WEST CONCORD | X | X | X | X | X | X | X |
| WHEATON | X | X | X | X | X | X | X |
| WRIGHT | X | X | X | X | X | X | X |
| WEST JASPER, SD | X | X | X | X | X | X | X |
| WEST OSLO, ND | X | X | X | X | X | X | X |

LOCAL EXCHANGE SERVICE

C. LOCAL EXCHANGE SERVICE OFFERINGS

2. RATE GROUP 2 Exchanges (Continued)

| EXCHANGE | BUS. 1-PTY | BUS. TRUNK | KEY LINE | RES. 1-PTY | SCHOOL LINE | SCHOOL TRUNK |
|---|---|---|---|---|---|---|
| | EXCHANGE RATE AREA | | | | | |
| | IN | IN | IN | IN | IN | IN |
| DELANO | X | X | X | X | X | X |
| LINDSTROM | X | X | X | X | X | X |
| MAPLE PLAIN | X | X | X | X | X | X |
| MAYER | X | X | X | X | X | X |
| MOUND | X | X | X | X | X | X |
| NEW GERMANY | X | X | X | X | X | X |
| ST. BONIFACIUS | X | X | X | X | X | X |
| SCANDIA-MARINE | X | X | X | X | X | X |
| WATERTOWN | X | X | X | X | X | X |
| WYOMING | X | X | X | X | X | X |

LOCAL EXCHANGE SERVICE

D. COMMUNITY PLUS PLAN

1. General

Customers within specified exchanges have the option of subscribing to the Community Plus Plan. The Community Plus Plan is offered to customers in the following exchanges:

Almelund
Delano
Lindstrom
Mayer
New Germany
Taylors Falls
Watertown

The Plan includes a monthly recurring charge and measures calling to the Metro Calling Plan Area exchanges only. The regulations and rates to which the exchange areas identified herein are as specified within this section of the tariff and are in addition to the applicable regulations and rates specified in other tariffs of the Company.

2. Regulations

a. Existing customers in the specified Community Plus Plan exchanges may have the option to subscribe to the EAS Flat Rate service or select the Community Plus Plan service.

b. All new customers moving into the specified Community Plus Plan exchanges may subscribe to the EAS Flat Rate service or select the Community Plus Plan service.

c. The Plan is furnished only from central offices which have been arranged to provide this service, and is available to individual business and residence, access line customers.

d. Customers may change from the EAS Flat Rate service to the Community Plus Plan or vice versa once within six months (180 days) of the date the Plan was initially offered or service has been established without paying a service charge. Appropriate service charges will apply to each change thereafter as specified in Section 6 of this tariff.

LOCAL EXCHANGE SERVICE

D. COMMUNITY PLUS PLAN (Continued)

2. Regulations (Continued)

e. The customer, on or off the same premises, may subscribe to EAS Flat Rate service and the Community Plus Plan if each service is provisioned on separate individual billing accounts. The intention of this regulation is to prohibit the provision of EAS Flat Rate service and the supplemental use of the Community Plus Plan on the same billing account (i.e., mixing both services on one account).

f. Measured rate service, where applicable, provides for calling to specified areas with each call measured on a time-of-day and length-of-message basis.

g. "0+" calls made to exchanges that were local or flat rate EAS prior to Community Plus Plan implementation will be billed at the local operator surcharge for the type of call being made. (Refer to Local Operator Services, Section 5.)

h. Community Plus Plan service will not be offered in connection with WATS, or Foreign Exchange services.

i. Seasonal and Vacation Service is available to customers subscribing to the Community Plus Plan. The Community Plus Plan monthly flat rate will be adjusted to adhere to the specifications of each service.

j. For the purpose of determining charges, the following applies:

1) A monthly rate for the provision of incoming calls and access to the local network.

2) A charge per minute for the duration of a call. Monthly billing is based on cumulative minutes of usage.

3) Chargeable time for all calls begins when connection is established between the calling line and the called line or branch exchange, and ends when the calling line "hangs-up" thereby releasing the network connection. If the called line "hangs-up", but the calling line does not, chargeable time ends when the network connection is released either by automatic timing equipment in the telephone network or by the Company operator.

LOCAL EXCHANGE SERVICE

D. COMMUNITY PLUS PLAN (Continued)

3. Rates

a. Subscribers opting for the Community Plus Plan will be charged a monthly recurring rate as specified below.

| CLASS AND GRADE OF SERVICE WITHIN THE EXCHANGE AREA | Community Plus Plan Monthly Rate (1) (3) | | | |
|---|---|---|---|---|
| BUSINESS SERVICE | Rate Group 2 Exchanges | Almelund | Taylors Falls | |
| Individual Line/Centrex | $34.50 | $40.90 | $41.00 | |
| Business Trunk/Centrex | 34.50 | 40.90 | 41.00 | |
| Key Business Line/Centrex | 34.50 | 40.90 | 41.00 | |
| RESIDENCE SERVICE | | | | |
| Individual Line/Centrex | $20.25 | $23.95 | $24.00 | (06/26/2024) |
| SCHOOL SERVICE | | | | |
| Individual Line/Centrex | $27.44 (2) | $34.34 (2) | $34.44 (2) | |
| Business Trunk/Centrex | 27.44 (2) | 34.34 (2) | $34.44 (2) | |

(1) Monthly rate includes implicit Touch Calling Service.
(2) Used for additional lines of service to schools from Kindergarten through 12th grade as required by law.
(3) Monthly rate is in addition to usage charges as set forth in D.3.b. of this Section.

LOCAL EXCHANGE SERVICE

D. COMMUNITY PLUS PLAN (Continued)

3. Rates (Continued)

b. Usage Charges to Measured Calling Locations are set at $.07 per minute.

c. Application of Usage Charges to Measured Locations:

| Community Plus Plan Exchange | Measured Calling Locations |
|---|---|
| Almelund | All Metro Area exchanges excluding the already existing Metro exchange EAS point locations of Lindstrom and North Branch. |
| Delano | All Metro Area exchanges excluding the already existing Metro exchange EAS point locations of Mayer, Maple Plain, Mound, St. Bonifacius and Watertown |
| Lindstrom | All Metro Area exchanges excluding the already existing Metro exchange EAS point location of Wyoming. Also exclude existing EAS points of Almelund, Osceola, WI and Taylors Falls |
| Mayer | All Metro Area exchanges excluding the already existing Metro exchange EAS point locations of Delano, Maple Plain, Mound, St. Bonifacius and Watertown |
| New Germany | All Metro Area exchanges excluding the already existing metro exchange EAS point locations of Delano, Maple Plain, Mayer, Mound, St. Bonifacius and Watertown |
| Taylors Falls | All Metro Area exchanges excluding the already existing metro exchange EAS point location of Almelund and Lindstrom. |
| Watertown | All Metro Area exchanges excluding the already existing metro exchange EAS point locations of Delano, Maple Plain, Mayer, Mound and St. Bonifacius |

d. Call Detail Billing

1) Call Detail Billing will be provided to customers at no charge. Detail Billing is available on a go-forward basis only. Previous month(s) detail is not available.

2) Call Detail Billing includes the date, connect time, duration and called number for each call.

LOCAL EXCHANGE SERVICE

E. LIFELINE ASSISTANCE

The Lifeline Assistance (Lifeline) program, established by the Federal Communications Commission under 47 CFR §54, is a means of maintaining and preserving universal service by providing a reduction in the recurring price of basic local residential exchange access service to qualifying low-income subscribers.

1. General

a. Lifeline is a federally-funded reduction. An additional link up credit maybe available to Lifeline customers who reside on tribal lands in the following exchanges: (D) | (D)

| Tribe/Reservation | Exchange | |
|---|---|---|
| Bois Forte Chippewa | Tower | (D) |
| Fond du Lac | Brookston | (D) |
| Mille Lacs Band of Chippewa | Gateway, Isle, Onamia, McGregor | (D) |

b. Local service for Lifeline subscribers may not be disconnected for non-payment of toll charges. (T)

1) Toll Restriction Service will be provided to Lifeline subscribers at no charge.

2) Lifeline subscribers are not required to accept Toll Restriction Service as a condition to avoid disconnection of local service for non-payment of toll.

3) Lifeline subscribers are not required to pay a service deposit in order to initiate service if the subscriber voluntarily elects to receive Toll Restriction Service.

c. Partial payments from Lifeline subscribers will be applied first to local service charges and then to toll charges. (T)

d. Lifeline subscribers will not be denied re-establishment of service on the basis that the subscriber was previously disconnected for non-payment of toll charges. (T)

E. LIFELINE ASSISTANCE (Continued)

2. Eligibility Requirements

a. Lifeline will be provided for one (1) telephone line per household, at the subscriber's principal place of residence, to those individuals who meet the eligibility requirements.

b. The applicant signs a document certifying under penalty of perjury that the consumer has income at or below 135 percent of the Federal Poverty Guidelines or receives benefits from at least one of the following programs:

- Medicaid/Medical Assistance
- Supplemental Nutrition Assistance Program
- Supplemental Security Income (SSI)
- Federal Public Housing Assistance (T)
- Veterans Pension (D)
- Veterans Survivors Pension (T)

Individuals who do not qualify under any of the above but lives on or near a federally recognized reservation may qualify if the applicant receives benefits from at least one of the following programs:

- Bureau of Indian Affairs General Assistance
- Tribally administered Temporary Assistance for Needy Families
- Head Start (only for those meeting its income qualifying standard)
- Food Distribution Program on Indian Reservations (FDPIR). (T)

c. The applicant signs a document agreeing to notify the carrier if that consumer ceases to participate in the program or programs. When the Company is notified by the customer that the customer no longer participates in one of the above programs, the federal credits to that customer's monthly charges shall cease beginning with the start of the billing cycle beginning in the month after the month in which notification is received.

3. Certification Revocation

If the Telephone Company discovers that conditions exist that disqualify the recipient of Lifeline Assistance, local service will be billed at full rate. The customer will be billed retroactively to whichever is the most recent of the dates Lifeline Assistance commenced or the recipient no longer qualified for the service not to exceed 12 months.

LOCAL EXCHANGE SERVICE

E. LIFELINE ASSISTANCE (Continued)

4. Rates and Charges

a. A total credit amount applies to the Lifeline customers monthly bill as follows:

| | Broadband Monthly Rate * | Voice Monthly Rate * |
|---|---|---|
| Total Federal lifeline Support Credit Amount | $9.25 | $6.50 (11/03/2021) |

* Broadband: Service that includes qualifying broadband service.
Voice Only: Voice service with no qualifying broadband service as defined by 47 C.F.R. Sec 54.403(a)(2). ($5.25 + additional $1.25 to waive entire federal subscriber line charge.) Only subscribers in FCC designated census blocks are eligible for Voice only Lifeline after 12/1/21. (11/03/2021)

LOCAL EXCHANGE SERVICE

F. MINNESOTA TELEPHONE ASSISTANCE PLAN

1. Definition

The Minnesota Telephone Assistance Plan (TAP) is a state-sponsored assistance program under Minnesota Statutes Chapter 237 and is designed to make telephone service accessible to qualifying low-income residential households. Through this program, eligible households will receive a monthly discount on their telephone service.

2. Eligibility Requirements

To be eligible for assistance, an applicant must meet the following requirements:

a. This discount applied on a single line at the principal place of residence for the applicant.

b. The applicant signs a document certifying under penalty of perjury that the consumer has income at or below 135 percent of the Federal Poverty Guidelines or receives benefits from at least one of the following programs:

- Medicaid/Medical Assistance
- Supplemental Nutrition Assistance Program
- Supplemental Security Income (SSI)
- Federal Public Housing Assistance (T)
- Veterans Pension (D)
- Veterans Survivors Pension (T)

Individuals who do not qualify under any of the above but live on a federally recognized reservation may qualify if the applicant signs a document certifying under penalty of perjury that the applicant receives benefits from at least one of the following programs:

- Bureau of Indian Affairs General Assistance
- Tribally administered Temporary Assistance for Needy Families
- Head Start (only for those meeting its income qualifying standard)
- Food Distribution Program on Indian Reservations (FDPIR). (T)

c. The applicant agrees to notify the Company if that consumer ceases to participate in any of the above-listed federal assistance programs.

3. Certification Revocation

If the Company discovers that conditions exist that disqualify the recipient of TAP, local service will be billed at full rate. The customer will be billed retroactively to whichever is the most recent of the dates TAP assistance commenced or the recipient no longer qualified for the service not to exceed 12 months.

LOCAL EXCHANGE SERVICE

F. MINNESOTA TELEPHONE ASSISTANCE PLAN (Continued)

4. Regulations

a. The Telephone Assistance Plan credit will begin at the customer's earliest possible billing cycle but no later than the second billing cycle after the date the TAP application is received by the company.

b. Service Charges shall not apply to establish this program on existing service.

c. The company shall provide Telephone Assistance Plan credits against monthly charges for each customer enrolled in the Telephone Assistance Plan.

5. Funding

This program shall be funded through a Telephone Assistance Plan surcharge on residence and business access lines, which pay the 911 surcharge, pursuant to Minnesota. Rules, part 7817.0300.

6. Rates

The surcharge and credit are the effective rates ordered by the Minnesota Public Utilities Commission. The Company is responsible for billing, collecting, and remitting the surcharge to appropriate government agency and the credit to Customer. (08/04/2023)

Text Deleted (08/04/2023)

GENERAL SERVICES

INDEX


| Subject | Sheet Number | |
|---|---|---|
| Adjacent Exchange Service | 1 | |
| Call Tracing Service | 23 | |
| Coin Telephone Service | | |
| Customer Owned Pay Telephone Service | 3 | |
| Coin Line Service | 6 | |
| Direct Inward-Outward Dialing | 26 | |
| Employee Telephone Concession Service | 9 | |
| Foreign Exchange Service | 10 | |
| Frontier Emergency Connect Service | 32 | |
| IntraLATA Operator Services | 24 | |
| Joint User Service | 19 | |
| Line Extension Charges | 12 | |
| Market Trials | 31 | |
| Mileage Charges | 14 | |
| Operator Services | 25 | (N) |
| Private and Semi-Private Service | 33 | |
| Seasonal Service | 17 | |
| Service Performance Guarantee | 20 | |
| Toll Restriction Service | 29 | |
| Vacation Rate Service | 18 | |

GENERAL SERVICES

ADJACENT EXCHANGE SERVICE

A. GENERAL

Adjacent Exchange Service is a form of rural telephone service offered to meet certain customer requirements for rural telephone service from a contiguous exchange in addition to service from the exchange in which the customer is located.

B. DEFINITIONS OF TERMS

1. Primary Exchange - the exchange in which the customer is located.

2. Secondary Exchange - an exchange which is contiguous to the customer's primary exchange and from which the customer desires to receive rural telephone service.

C. REGULATIONS

1. Primary exchange service may not be discontinued without also discontinuing secondary exchange service.

2. Adjacent Exchange Service will be furnished between any primary and Adjacent Exchange in the state of Minnesota, whether the customer is located in an exchange of this Company or in an exchange of another company, with the exception of Adjacent Exchanges that are a part of the Minneapolis-St. Paul or Duluth metropolitan calling plan areas. However, the other company must have a comparable tariff on file with the Minnesota Public Service Commission or concur in this tariff.

3. Adjacent Exchange Service will only be provided to rural customers of this Company who are located within two airline miles of the Adjacent Exchange boundary line from which service is desired.

4. Adjacent Exchange Service is provided to meet a customer's local calling needs and is not provided if Extended Area Service is available between the two exchanges.

5. All long distance (toll) messages must be placed through the primary exchange unless there is a service outage on this line. Violations of this regulation will be cause for suspension or termination of the Adjacent Exchange Service.

6. Grades and classes of service available to rural customers in the primary or secondary exchange shall be determined by the serving company.

7. Violation of any Rules and Regulations of this Company will be cause for suspension or termination of the Adjacent Exchange Service.

GENERAL SERVICES

ADJACENT EXCHANGE SERVICE

C. REGULATIONS (Continued)

8. Installation, maintenance and ownership of telephone plant shall be the responsibility of the telephone company in whose exchange area such plant is located.

9. Construction Charges

a. Construction charges of each telephone company participating in provision of facilities for Adjacent Exchange Service shall apply for their portion of such facilities provided by that company.

b. An applicant located within the exchange area of this Company who requests Adjacent Exchange Service to another exchange shall be required to pay, in advance, the estimated cost of all construction associated with the provision of facilities from the applicant's premises to the Adjacent Exchange boundary. Any excess or deficit of estimated costs to actual completed costs will be refunded or billed to the customer.

c. Applicants located within the area of another exchange who request Adjacent Exchange Service from an exchange of this Company shall be required to pay, in advance, all of the estimated cost of required construction within the exchange area of this Company. Any excess or deficit of estimated costs to actual completed costs will be refunded or billed to the customer.

D. RATES

1. The applicable local access line rate(s) in effect in the Adjacent Exchange shall apply, plus any mileage or maintenance charges applicable by the primary exchange company.

2. When the customer is located within the primary exchange of this Company, mileage charges based on route measurement from the customer's location to the Adjacent Exchange boundary shall apply as follows:

| | **Billing Code** | **Monthly Rate** |
|---|---|---|
| First mile or fraction thereof (minimum charge) | OPMA | 7.20 |
| Each additional one quarter mile or fraction thereof | OPMB | 1.80 |

3. Rates for supplemental service not associated with the customer's local access line shall be as specified in the local and general exchange tariff of the secondary Adjacent Exchange company.

4. It is the intent of this Company that each company shall bill the customer for their costs and for the services they render.

GENERAL SERVICES

COIN TELEPHONE SERVICE
Customer Owned Pay Telephone Service

A. GENERAL

1. Customer Owned Pay Telephone Service (COPTS) will apply for use with customer provided coin operated or non coin operated telephones at locations accessible to the public, e.g., stores, business places, including boarding or rooming houses, employee lounges and school or college buildings, where desired by the owner of the premises.

2. Only one customer provided coin operated telephone may be connected to each Company access line.

3. Directory listings may be provided under the regulations governing the furnishing of listings for business main line subscribers. However, listings (not indicating a business or profession) provided in connection with Customer Owned Pay Telephone Service furnished at boarding or rooming houses or at other locations where the party desiring the additional listings resides, are furnished under the regulations covering the furnishing of listings in connection with residence main line service.

B. RESPONSIBILITY OF THE CUSTOMER

1. The customer shall be responsible for the installation, operation and maintenance of any customer provided coin operated or non-coin operated telephones used in connection with this service.

2. The customer shall be responsible for the payment of charges as provided in Section 2, GENERAL REGULATIONS, for visits by a Company employee to the customer's premises when a service difficulty or trouble report results from the use of customer provided coin operated telephones.

3. The customer shall be responsible for payment of charges for all calls originating from or accepted at this type of service, including any applicable Directory Assistance charges. Calls to (1411 or 1+555+1212) Directory Assistance Service will be charged to COPTS line customers as specified in this section of the Tariff.

4. Customer provided coin operated telephones and non-coin operated telephones must be registered in compliance with Part 68 of the FCC's Registration Program or connected behind FCC registered coupler.

GENERAL SERVICES

COIN TELEPHONE SERVICE
Customer Owned Pay Telephone Service

B. RESPONSIBILITY OF THE CUSTOMER (Continued)

5. Such customer provided coin operated telephones and non-coin operated telephones must have the following operational characteristics:

   a. Must be able to access the Company operator (0-level) at no charge and without using a coin where 911 Emergency Service is not available.

   b. Must be able to access 911 Emergency Service, where available, at no charge, without using a coin, and, when such instrument can only access 911 Emergency Service by use of a dialing sequence other than 911. Must prominently display on such instrument, the appropriate dialing sequence to access 911 Emergency Service, where available.

   c. Must be able to access all interexchange carriers unless the customer is an interexchange carrier in which case access may be limited to that owner.

   d. Must comply with all applicable federal, state and local laws and regulations concerning the use of these telephones by disabled persons and the hearing impaired.

   e. Must allow the completion of both local calls and long distance calls from the 0-level and 0+ direct dialed level.

6. Each customer owned pay telephone must display prominently the name and a contact telephone number of the provider of that telephone. The charges for local service, and any surcharges on long distance calls, must also be prominently displayed.

7. The customer shall not program or cause to be programmed any such telephone used in connection with this service to limit the duration of a local message.

C. VIOLATION OF REGULATIONS

1. Where any customer provided coin operated or non coin operated telephone is in violation of this tariff, the Company will promptly notify the customer of the violation and will take immediate action, including the disconnection of service as is necessary for the protection of the telecommunications network and Company employees.

2. The customer shall discontinue use of the customer provided coin operated or non-coin operated telephone or correct the violation and notify the Company in writing within 5 days after receipt of such notice that the violation has been corrected.

3. Failure of the customer to discontinue such use or to correct the violation will result in the suspension of the customer's service until such time as the customer complies with the provisions of this tariff.

GENERAL SERVICES

COIN TELEPHONE SERVICE
Customer Owned Pay Telephone Service

D. OPTIONAL FEATURES

1. Answer Supervision

   Answer Supervision is the line side functionality that provides an electrical signal to the calling end of a switched telephone connection when the called line goes off-hook. COPTS Answer Supervision will be provided for use with COPT Service as specified in this tariff schedule to assist in determining when billing for a specific call should commence.

E. RATES

1. Local Exchange Business Individual Line Rates and Regulations apply as set forth in Section 4, LOCAL EXCHANGE SERVICE.

2. Nonrecurring Charges, as specified in Section 6, SERVICE CHARGES, apply in addition to other charges specified for Customer Owned Pay Telephone Service in the Local Exchange Tariff.

3. A "local message" from Customer Owned Pay Telephone Service served by a given exchange is a completed local call, originating at such service and terminating at any service which may be called, without toll charge, from all other service served by the exchange concerned.

4. The subscriber to Customer Owned Pay Telephone Service may not charge users of their telephones more for a particular local message then the Company is authorized to charge for the placement of a similar message through its coin telephone service.

5. The subscriber to Customer Owned Pay Telephone Service may charge users of their telephones for calls to Directory Assistance.

6. Optional Features

| | Billing Code | Monthly Rate |
|---|---|---|
| Answer Supervision, per line | PTCST | $4.55 |

GENERAL SERVICES

COIN TELEPHONE SERVICE
Coin Line Service

A. GENERAL

1. Customer-Owned Pay Telephone (COPT) Coin Line Service is a coin voice grade exchange line that provides switch based dial tone first (DTF) coin line functionality's for non-local exchange company customer-owned pay telephones.

2. COPT Coin Line Service is provided at the request of a COPT provider that provides pay telephone service with switch based coin line functionalities to the public on a resale basis.

3. A COPT Coin Line subscriber must use a separate COPT Coin Line for each pay telephone instrument installed and will be billed the tariffed rate for each line. Off-premise extensions to a COPT Coin Line are not permitted.

4. Where COPT Coin Line Service is provided any type or grade of residence or business service offered regularly at that location may also be furnished, provided such residence or business service is confined to locations solely for use by the particular establishment.

5. The Company shall not be liable for shortages of coins deposited and/or collected from the COPT Coin Line subscriber's equipment.

6. The Company shall not be liable for end-user fraud associated with failure of the subscriber's equipment to perform.

7. Suspension of service for nonpayment as specified in Section 2 of this Tariff is not applicable to COPT Coin Line Service unless the instrument is located within an establishment which is temporarily closed and, as such, will be totally inaccessible to the general public for the period of suspension. In all cases, the decision to permit suspension of service for a COPT Coin Line rests with the Company.

8. The carriage and completion of local and intraLATA toll messages are provided by the Company.

9. COPT Coin Line Service will be provided from central offices where facilities are available and where technically feasible.

GENERAL SERVICES

COIN TELEPHONE SERVICE
Coin Line Service

B. Features

1. Service is provided in equal access Stored Program Control (SPC) central offices where coin line control equipment is available.

2. Service is provided on a one-way or a two-way basis at the customer's option.

3. Coin signaling, including coin collect and coin return, is provided by the network. Coin collect identifies when a call is completed. Coin return occurs when a no answer or busy signal is encountered.

4. Billed Number Screening (BNS) is provided for the automatic blocking via validation data bases of third number billing, collect billing, or both to the line.

5. Selective Class of Call Screening is provided to alert operator services systems (live and mechanical) that a call is originating from a COPT Coin Line which may require special handling and billing treatment.

6. Central office 900 and 976 blocking is provided.

7. Standard recorded announcements used for calls from the Company's Public Telephone Service pay telephones are used for calls that originate from a COPT Coin Line.

8. All 0-, 0+ and 1+-intraLATA toll calls and 0+ local calls are handled by the Company's operator services system.

9. All 0+ interLATA calls are routed to the presubscribed carrier.

10. Coin sent paid InterLATA calls from COPT Coin Lines may be routed to any Interexchange Carrier selected by the customer who has the required coin signaling capabilities (i.e., coin recognition, coin control, etc.) which are required to complete the call.

C. Responsibility of the Subscriber

1. The subscriber is subject to the requirements for COPT Service as set forth previously.

2. The subscriber is responsible for the payment of all charges for outgoing sent-paid local calls and message toll telephone service calls.

GENERAL SERVICES

COIN TELEPHONE SERVICE
Coin Line Service

C. Responsibility of the Subscriber (Continued)

3. Special billing and coin sharing arrangements between a COPT Coin Line Subscriber and another carrier are the responsibility of the COPT Coin Line subscriber.

4. It is the subscriber's responsibility to ensure instruments used in conjunction with the COPT Coin Line Service are compatible with the Company's network.

D. Rate Regulations

1. No charge will be imposed for incoming calls.

2. Sent-paid local calls will be rated by the COPT Coin Line subscriber's equipment.

3. Operator assisted sent-paid local calls will be rated to the end-user plus the appropriate additive operator service charges as specified in Section 5 of this Tariff. Non-sent paid local calls will be rated to the end-user plus any appropriate additive operator service charges as specified in Section 5 of this Tariff.

4. Operator assisted sent-paid toll calls will be rated to the end-user at the message telecommunications service rate, plus the appropriate additive operator service charges as specified in this Section. Non-sent paid Long Distance Service calls will be rated to the end-user at the message telecommunications service rate and the appropriate additive operator service charges as specified in this Section.

5. The appropriate service charges as specified in Section 6 of this Tariff are applicable for each COPT Coin Line installed, moved, or changed.

6. Rates for Verification/Interrupt Service are as specified in this Section.

7. Calls to (1411 or 1+555-1212) Directory Assistance Service will be charged to Coin Line Service subscribers at the rate specified in this section of the Tariff.

8. Subscribers to Customer-Owned Pay Telephone (COPT) Coin Line Service may be listed in the directory as specified in Section 5 of this Tariff.

E. Rates and Charges

1. COPT Coin Line Service is provided on a fixed monthly rate and per line basis as found in Section 4 of this Tariff.

GENERAL SERVICES

EMPLOYEE TELEPHONE CONCESSION SERVICE

Concession service may be granted to regular full-time and qualified part-time employees. The Company reserves the right to provide free or discounted service to all qualified employees according to guidelines established by Company policy.

GENERAL SERVICES

FOREIGN EXCHANGE SERVICE

A. GENERAL

1. Foreign Exchange Service is interexchange service provided at a location in an exchange other than that in which the central office is located and from which the customer would normally be served.

2. For additional Foreign Exchange Service rates and regulations refer to the GTE Minnesota Intrastate Access Tariff.

B. DEFINITIONS

1. Local Exchange - the exchange in which the station is located and in which service is provided.

2. Serving Exchange - the exchange in which the serving central office is located.

3. Contiguous Exchange - adjoining exchanges which share a common boundary.

4. Noncontiguous Exchanges - exchanges which do not share a common boundary.

C. RATES

| | | Billing Code | Monthly Rate |
|---|---|---|---|
| 1. | Regular-filed rates of the serving company apply to the class and grade of service provided, | (1) | Filed Tariff |
| 2. | Plus, applicable special access charges. | (1) | (2) |
| 3. | Plus, applicable Foreign Exchange Service rate (Refer to Condition 2), | | |
| | a. The Foreign Exchange Service rate is $5.00 per month per $.05 multiple of the day station-to-station initial period message toll rate between the local and serving exchanges. | (1) | |

(1) Choice of codes available, depending upon the application of service.
(2) Refer to Minnesota Intrastate Access Services Tariff.

GENERAL SERVICES

FOREIGN EXCHANGE SERVICE

D. CONDITIONS

1. Foreign Exchange Service will be limited to business and residence individual line service, or PBX Trunks, when facilities and equipment for its provision are available.

2. When interexchange facilities are owned by the local company between contiguous exchanges, the Foreign Exchange Service rate does not apply.

3. One directory listing will be provided without added charge in the alphabetical directory covering the serving exchange for each business or residence service. In addition, each business customer will be entitled to a regular listing in the classified directory covering the serving exchange without additional charge. Additional listings in the alphabetical and/or classified directories covering the local or other exchanges may be provided at the rates effective in those exchanges.

4. Customers to Foreign Exchange Service are required to take service of the local exchange from which service would normally be rendered.

5. When the service is provided with another company, it is considered jointly provided service.

6. The serving company shall determine the route involved in the provision of Foreign Exchange Service.

7. Except as set forth herein, the rates, charges and conditions set forth elsewhere in this Tariff and applicable in the local exchange apply to services and facilities provided in connection with Foreign Exchange Service.

8. Call beyond the local calling area of the serving exchange will not be permitted. Local calling area is considered to be the telephone served by the serving exchange, plus any extended area service which may be provided from the serving exchange.

9. Regular Service Charges apply to installation, moves and changes.

10. Interexchange mileage is measured through the use of the V and H coordinates between rate centers of the exchanges involved.

GENERAL SERVICES

LINE EXTENSION CHARGES (T)

A. GENERAL

An extension of Telephone Company facilities in locations where Telephone Company facilities currently do not exist will generally be made as follows:

1. Requests by service applicants

In situations where the Company believes that its costs to install facilities to provide services may not be recovered through subscription to such services, the Company may assess construction charges to the service applicant.

(a) Construction charges may include the recovery of all costs associated with placement of facilities, including direct and indirect engineering costs, material costs, costs of securing right-of- way, contractor costs and facility placement costs.
(b) Payment of construction charges may be required prior to the commencement of the work with which such construction charges are associated.
(c) The party paying for construction costs does not obtain any rights, of ownership or otherwise, in facilities provided by the Company. All facilities provided by the Company shall be under exclusive control.

2. Real Estate Developments, Subdivisions and Apartment Complexes

Placement of facilities to serve areas of subdivided land which may have only limited subscription to Company services results in an unreasonable risk to the Company that these costs may not be recovered through subscription to such services.

(a) “Subdivision” means the division of a lot, tract, or parcel of land into two or more lots, plats, sites, or other divisions of land for the purpose, whether immediate or future, of sale of or of building development.
(b) The Company may assess construction charges to the land developer, individual or party, requesting service or placement of facilities to serve any previously unserved portion of a subdivision.
(c) Construction charges may include the recovery of all costs associated with placement of facilities, including direct and indirect engineering costs, material costs, costs of securing right-of- way, contractor costs and facility placement costs.
(d) Payment of construction charges may be required prior to the commencement of the work with which such construction charges are associated.
(e) The party paying for construction costs does not obtain any rights, of ownership or otherwise, in facilities provided by the Company. All facilities provided by the Company shall be under its exclusive control. (T)

GENERAL SERVICES

LINE EXTENSION CHARGES

A. GENERAL (Cont'd)

(T)

3. Provision of Private Right-of-Way

Where required by the conditions, applicants shall provide without expense to the Telephone Company, private right-of-way parallel to the public highway; such right-of-way shall be free from tree interference and otherwise suitable.

4. Distribution Plant on Private Property, Other Than Service Drops

When the customer desires that distribution plant on the customer's private property be placed underground - the Telephone Company having determined from the conditions that aerial facilities should be provided or having provided such facilities - the customer may pay the excess of the installed cost to the Telephone Company of the underground (buried) wire or cable over the cost of the aerial facilities and pays the cost of dismantling and removing any aerial facilities being changed.

(T)

GENERAL SERVICES

MILEAGE CHARGES - Intra-exchange

A. GENERAL

1. Mileage Charges apply to off-premises line extensions (on continuous or noncontinuous property), including tie lines, private lines, signal circuits and leased pairs. All mileage is measured on an air line basis unless otherwise indicated.

2. Interexchange mileage is covered under the Citizens Communications Minnesota Intrastate Access Services Tariff.

B. RATES

Service Charges apply to all services and equipment as specified in Section 6.

| | **Monthly Rates Per 1/4 Mile Or Fraction** |
|---|---|
| 1. On continuous property of same customer, not in same building | |
| a. Single pair line extension (1) | $1.80 |
| b. Tie line | 1.80 |
| Private line | |
| 1) Signal grade | 1.80 |
| 2) Voice grade | 1.80 |
| 2. Not on continuous property of same customer | |
| a. Single pair line extension | 1.80 |
| b. Tie line | 1.80 |
| Private line | |
| 1) Signal grade | 1.80 |
| 2) Voice grade | 1.80 |

(1) Charge for instances where a line extension is used on continuous property but where extension is also part of company regulated plant

GENERAL SERVICES

MILEAGE CHARGES - Intra-exchange

C. CONDITIONS

1. Mileage applicable to on-premises Extension Line Mileage will be determined in the following manner:

   a. The on-premises mileage measurement is the air line distance between access points located on the same premises but in unattached locations.

2. Mileage applicable to off-premises Extension Line Mileage will be determined in the following manner:

   a. When the terminals are located in the same central office area, the off-premises mileage measurement is the airline distance between the terminals.

   b. If the line passes through a central office, the airline mileage must include the central office.

3. Off-Premise Extension Service may be furnished at any reasonable intraexchange location in connection with individual line exchange service or PBX stations only, subject to the following conditions:

   a. A business customer may have an extension from the customer's business to another business location if the other location is also the same-billed account in the same exchange. A separate central office access line is not required in this instance.

   b. Business stations may be located on the premises of another business when each party has its own separate central office access line.

   c. Extensions from residence to residence are permitted when each party has its own separate central office access line.

   d. Extensions from residence to business are permitted when each party has its own separate central office access line. If residence OPX service is installed at a business location, the residence main service and OPX service must be changed to business rates.

   e. Extensions from business to residence are permitted when the residence location has its own separate central office access line. Business OPX service installed in a residence would not require a change in the residence service rates. If a proprietor actually lives in his business establishment, a separate central office access line is not required for extension service.

GENERAL SERVICES

MILEAGE CHARGES - Intra-exchange

C. CONDITIONS (Continued)

4. Tie lines are provided to connect two PBX/PABX systems for inter-communication. Where PBX/PABX systems are not provided to the same customer, firm or corporation, both switchboards must additionally be connected to central office facilities by exchange trunks.

5. Special equipment or arrangements in addition to that regularly provided may be provided at charges and/or rates based upon costs incurred.

6. When facilities must be constructed to provide service to applicant beyond the Base Rate boundary, charges shall be determined as set forth under Line Extension Charges filed in this Section.

GENERAL SERVICES

SEASONAL SERVICE

A. GENERAL

Seasonal Service is provided to residence and single line business customers whose requirements for telephone services are less than that which might normally be provided in any 12 month period.

B. RATES

1. The monthly rate will be based on a combination of a uniform monthly rate which is calculated on six (6) months half rate plus six (6) months full rate combined and distributed evenly over a twelve (12) month period.

2. No other charges will apply for the suspension and subsequent restoral of seasonal service.

C. CONDITIONS

1. Seasonal Service will be furnished under the following condition:

   a. Available to all grades of residence and single line business exchange service where the usage is of a seasonal nature.

   b. Unless notified otherwise by the customer, seasonal service will automatically be placed on intercept between the period of January 1 to May 1.

GENERAL SERVICES

VACATION RATE SERVICE

A. GENERAL

Vacation Rate Service is provided to all classes and grades of residence and business customers whose requirements for telephone services are less than that which might normally be provided in any 12 month period.

B. RATES

1. The monthly rate will be based upon 50% of the regular rate for the basic and associated additional services during the period of suspension.

2. No other charges will apply for the suspension and subsequent restoral of service.

C. CONDITIONS

1. Vacation Rate Service will be furnished under the following conditions:

   a. Available to all grades of residence and business exchange service where the usage is of a seasonal nature.

   b. Charges may be billed in total prior to the connection of service or monthly at the option of the Company.

   c. Service may be suspended for a minimum of 30 days, maximum of 6 months.

   d. No discount is allowed with respect to directory advertising or special assemblies of equipment.

GENERAL SERVICES

JOINT USER SERVICE (1)

A. GENERAL

Joint Use of Service permits a person, firm or corporation to share the use of the telephone service provided by the Company with another business customer.

B. RATES

| | | **Monthly Rate** |
|---|---|---|
| 1. | Joint Use of Service | 50% of applicable business rate. |

C. CONDITIONS

1. Joint Use of Service will be furnished with the approval of the Company only with business individual line or PBX Trunk Service.

2. Joint Use of Service will not be furnished to a customer who is in a business of a secretarial nature, or of renting or leasing space to transient or permanent tenants.

3. The Joint User must be located on the premises or in the same office, or in the same suite of offices, as the customer, or in an office adjacent to and directly accessible from the customer's office.

4. A Joint User will be furnished one directory listing without charge.

5. Applications for Joint Use of Service shall be made by the customer.

6. The customer will be responsible for all charges incurred by the Joint User.

7. Additional listings and supplemental services may be furnished to the Joint User at the request of the customer and at regular rates.

8. After the listing for the Joint User has been included in the directory, Joint Use of Service may not be discontinued during the life of the directory, except under the following conditions:

   a. The customer's service is discontinued.
   b. The Joint User moves from the premises where the customer's service is located.
   c. The Joint User establishes his own primary service on the same premises

(1) This service is limited to existing customers at existing locations.

GENERAL SERVICES

SERVICE PERFORMANCE GUARANTEE

A. INSTALLATION AND REPAIR

1. Residence/Business

a. If a customer requests installation or repair of Company owned facilities used to provide service offered under this Tariff, and the installation or repair is not completed as agreed, the customer will be eligible to receive a credit. One credit per order or trouble report may be applied for the effected Service Categories.

1) Business: Credit will be provided in accordance with the above and following conditions at the request of the customer. The Service Performance Guarantee, as agreed upon by the Company and the customer, will appear as either a $100 credit on the customer's bill or equal value will be provided to the customer in the form of a pre-paid debit calling card.

2) Residence: Credit will be provided in accordance with the above and following conditions at the request of the customer. The Service Performance Guarantee, as agreed upon by the Company and the customer, will appear as either a $25 credit on the customer's bill or equal value will be provided to the customer in the form of a pre-paid debit calling card.

2. Service Categories

a. Local Exchange Services, including Foreign Exchange Service, associated Custom Calling Services, General or Miscellaneous Services, Citizens Digital Centrex Services, and Directory Listings.

b. Enhanced and Specialized Services.

c. Private Line Services billed by the Company.

d. Message Toll Services billed by the Company.

e. WATS and 800 Services billed by the Company.

GENERAL SERVICES

SERVICE PERFORMANCE GUARANTEE

A. INSTALLATION AND REPAIR (Continued)

3. Conditions

a. Each credit shall be limited to the amount described above for the particular line or lines associated with the service to be installed or repaired.

b. Credit will be extended in accordance with the above only for installation or restoration of exchange, private line, message toll, or enhanced services or for installation or repair of Company owned facilities used to provide those services.

c. A credit allowance will not be extended in accordance with liability conditions as set forth in the General Rules and Regulations Section of this Tariff for the installation or repair of Company owned facilities used to provide these services.

GENERAL SERVICES

CALL TRACING SERVICE

A. GENERAL

Call Tracing allows for the identification and recording of the telephone number of some or all of the incoming calls to the telephone line of a customer.

B. DEFINITIONS

1. Customer - means a person, firm partnership, limited liability company, corporation, municipality, cooperative association or organization, governmental agency or other entity receiving telecommunications service.

2. Customer-originated call-tracing service - means the customer-activated, call-specific form of call tracing available as part of Custom Calling Services, as described in this Section.

3. Emergency - means a situation that appears to present immediate danger to person or property.

4. Investigative or law enforcement officer - means an officer of the United States, a state or a political subdivision of the United States or a state, or a University of Minnesota peace officer, which is empowered by law to investigate or make arrests for crimes related to communications, or an attorney authorized by law to prosecute these crimes.

C. RATES

| Call Trace Service | Business | Residence | |
|---|---|---|---|
| Per Successful Activation | $3.99 | $3.99 | (M) (I) |

GENERAL SERVICES

CALL TRACING SERVICE

D. CONDITIONS

1. Call Tracing will be provided when requested by both a customer and an investigative or law enforcement officer and the customer has provided consent.

2. Information regarding the originating telephone numbers will be disclosed only to investigative or law enforcement officers, not to customers receiving Call Tracing service.

3. The Company will work with investigative or law enforcement officers to determine how long Call Tracing services shall be provided.

4. The Company will mail a deterrent letter to the location of the calling party at the request of the victim or the law enforcement agency.

5. The Company may provide customer-originated call-tracing service as an alternative to Call Tracing in exchanges where Custom Calling Services are available

GENERAL SERVICES

IntraLATA OPERATOR SERVICES

A. GENERAL

1. IntraLATA Operator Services are furnished to customers upon their request in order to complete IntraLATA calls.

2. There are seven classes of local service offered; Mechanized Calling Card, Operator Assisted Calling Card, Operator Station Calls, Person to Person, Busy Line Verification, Busy Line Interrupt, Connect to Directory Assistance and Operator Assistance. When operator assistance is required to complete a local call, the rates appearing under B. Rates will apply.

   a. Mechanized Calling Card (includes operator assisted 0+ calls)

      Customer dialed "0+" calls that are computer handled and completed by the caller or completed by the operator that will be billed to the calling card instead of the telephone originating the call.

   b. Operator Assisted Calling Card

      Customer dialed "0-" calls that are completed by the operator that will be billed to the calling card instead of the telephone originating the call.

   c. Operator Station Calls

      Customer dials "0", the operator completes the call and arranges billing. Can be billed to the originating telephone number, collect or to a third number.

   d. Person-to-Person Calls

      Customer dials "0", the operator completes the call and arranges billing. Can be billed to the originating telephone number, calling card, collect or a third number.

(D)

GENERAL SERVICES

IntraLATA OPERATOR SERVICES

A. GENERAL (Continued)

2. (Continued)

(D)

g. Connect to Directory Assistance

Customer initiated calls connected to directory assistance via an operator. These calls will not be included in the directory assistance call allowance and each call will be charged.

h. Collect

A billing arrangement by which the charges for a call may be billed to the called party, provided the called party agrees to accept the charges.

i. Operator assisted time and charges

A service requested of the operator before a call begins. After completion of the call, the operator calls back and specifies the length of the call (in minutes) and the charge for the call.

j. Operator assisted corrections

Applicable to each outgoing message where the person originating the call is calling from a correctional facility using special restricted correction service. The restricted correction service only provides corrections collect calls via an automated operator.

k. Billed to third number

Operator assisted telephone call that can be billed to the party other than the calling and called party. The operator calls the third number for the party to accept the charges before the call can proceed.

GENERAL SERVICES

IntraLATA OPERATOR SERVICES

A. GENERAL (Continued)

3. Customers who identify themselves as being disabled and unable to dial the call, will not be required to pay local operator service charges for sent paid station-to-station calls from coin pay phones.

4. Live Operator (N)

In addition to other operator service charges set forth in this section (or wherever the other operator service charges reside in the tariff), a Live Operator fee is applied when the customer chooses to speak with a live operator. The customer is informed by the automated system of the applicable charges prior to connection to the operator. The charge will be collected at the time of payment processing.

This fee will not apply if:
• The automated payment systems are unavailable due to system outages.
• Customer is requesting a call to an emergency service.
• Call cannot be made by the automated system. (N)

B. RATES

| Operator Service | Charge per Call | |
|---|---|---|
| Mechanized Calling Card | $.46 | |
| Operator Assisted 0- Calling Card | 1.25 | |
| Operator Station Call | 1.25 | |
| Person-to-Person Call | 2.20 | |
| Connect to DA | .75 | |
| Collect | 1.25 | |
| Operator Assisted time and charges | 1.25 | |
| Operator Assisted Corrections | 1.25 | |
| Billed to third number | 1.25 | |
| Live Operator, per occurrence | 1.50 | (N) |

GENERAL SERVICES

DIRECT INWARD-OUTWARD DIALING SERVICE

A. GENERAL

Direct Inward-Outward Dialing (DIOD) Service is a Central Office based service that permits incoming calls to reach customer provided equipment, without the assistance of an attendant, and allows the trunk to be used to place outgoing calls. This service is provisioned with E&M signaling and a four-wire connection at the customer's premises.

B. CONDITIONS

1. DIOD Service is provided from Central Offices equipped to provide this service and subject to the availability of facilities and the availability of telephone numbers.

2. The assignment of telephone numbers and the sequence of numbers assigned to a customer are made at the discretion of the Company. Telephone number rules, regulations and charges as specified in Section 2 and the Direct Inward Dialing (DID) service in this section of the Tariff, apply to DIOD service.

3. Rotary hunt service does not apply.

4. The customer is responsible for premises located switching equipment and the equipment must be arranged to provide intercept on unused telephone numbers associated with DIOD service.

5. Trunks arranged for DIOD service may not be combined with trunk groups arranged to provide Direct Inward Dialing (DID) service. Overflow of calls between the two arrangements is not permitted.

6. If a customer's normal serving Central Office is not equipped to provide DIOD service or the customer so requests, the service may be provided if facilities permit, from a company Central Office different than that which normally serves the customer. However, the service must still be within the same LATA, at the additional prices specified herein and under the regulations applicable for Foreign Exchange (FX), or Foreign Central Office (FCO) service as found in Section 5 of this Tariff.

7. When DIOD service becomes available or is subsequently requested from the Central Office that normally serves the customer, the service may be transferred to the normal serving Central Office, if the customer requests such a transfer, the customer will be subject to a change in telephone numbers and will also incur Service Charges as specified in Section 6 of this Tariff.

GENERAL SERVICES

DIRECT INWARD-OUTWARD DIALING SERVICE

B. CONDITIONS (Continued)

8. A change in Central Office equipment could require the customer to discontinue the service or obtain service from another Central Office. Citizens Communications makes no guarantees and assumes no liability for loss of service to the customer, resulting from the conversion or upgrade of Central Office equipment.

9. The combining of flat rate, or message rate service is prohibited.

10. DIOD service works in conjunction with Direct Inward Dialing (DID) service and the charges specified following are in addition to applicable rates and charges for DID Service specified in this Section.

11. Contract termination liability:

    a. Requires the customer, in case of early termination, to pay a penalty of 90% of the term monthly rates applied to the initial ordered quantities, for the number of months remaining in the term.

    b. If, before the end of a term agreement, the customer wants to change to a longer term or a different service of the same or greater value with the same or longer term, no termination liability will apply to this change in service. A new termination agreement, based on the new service or term, will replace the original termination agreement.

    c. If, before the end of a term agreement, Citizens Communications files and gains appropriate approvals for lower rates for the contracted service, Citizens Communications will apply the new lower rates, but the original termination liability remains and will be calculated on the original rates.

GENERAL SERVICES

DIRECT INWARD-OUTWARD DIALING SERVICE

C. RATES

| | | Billing Code | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|---|
| 1) | Equipment arrangement in Central Office necessary to provide in/out dialing from the exchange and message toll network directly to/from dial switching equipment installed on the customer premises: (1) | | | |
| a) | DIOD Station Number Blocks | | | |
| 1) | Per 1st block of 20 seven-digit station numbers assigned | | (2) | |
| 2) | Per additional block of 20 seven-digit station numbers assigned, same order | | (2) | |
| b) | Per Trunk Termination | | | |
| 1) | Month-to-month | 22200 | $21.00 | (3) |
| 2) | One year contract | -- | 8.00 | (3) |
| 3) | Three years contract | PZW3Y | 6.00 | (3) |

(1) In addition to charges and rates for other services and facilities associated with this service.
(2) Refer to Direct Inward Dialing (DID) service in this section of the Tariff, for rates and charges.
(3) A $100 nonrecurring charge applies to an initial database set-up. Service charges as specified in Section 6 apply as appropriate for initial and subsequent service orders.

GENERAL SERVICES

TOLL RESTRICTION SERVICE

A. GENERAL

1. Toll Restriction is a central office service that restricts one plus (1+), International (011+) and/or zero plus (0+) calling. Restricted calls are directed to a central office announcement.

2. Two Toll Restriction options are available:

   a. Option 1+* - Any direct dialed one plus (1+) or direct dialed International (011+) call. This includes directory assistance (1 + 411), 1 + 555-1212, 1 + NPA + 555-1212). Calls to Inward WATS will not be restricted (1 + 800 + XXX-XXXX). Examples of this option are:

      1 + NPA + XXX-XXXX
      1 + XXX-XXXX
      5-digit carrier access code + 1 + NPA + XXX-XXXX 5-digit carrier access code + 1 + XXX-XXXX

   b. Option 2* - Includes Option 1 and any local or long distance zero plus (0+) call. Examples of this option are:

      1 + NPA + XXX-XXXX
      1 + XXX-XXXX
      5-digit carrier access code + 1 + NPA + XXX-XXXX 5-digit carrier access code + 1 + XXX-XXXX

      and

      0 + NPA + XXX-XXXX
      0 + XXX-XXXX
      5-digit carrier access code + 0 + NPA + XXX-XXXX 5-digit carrier access code + 0 + XXX-XXXX

3. Toll Restriction will be provided only to Residence One-Party and Business One-Party customers. Toll Restriction will not be provided on party lines and PBX or key system trunks.

* Includes Call Screening. Call Screening restricts outgoing toll calls to calls, which are charged to the called telephone, a third number or a Company credit card account.

GENERAL SERVICES

TOLL RESTRICTION SERVICE

A. GENERAL (Continued)

4. Toll Restriction is offered subject to the availability of suitable facilities and is limited to central offices specifically equipped to provide this service.

5. The Company makes no guarantee and assumes no liability for the accuracy of Toll Restriction Service. The customer agrees fully and completely to indemnify and save harmless the Company, its successors and assigns, from and against any and every claim, loss, damage, suit or liability arising from the restriction of telephone calls made from the customer's access line.

6. The minimum contract period for this service is one month.

B. RATES

1. The following rates and charges apply to the provisioning of Toll Restriction and are in addition to all other applicable charges as specified elsewhere in this and other tariffs of the Company.

| | Billing Code | Monthly Rate | Installation Charge |
|---|---|---|---|
| a. Option 1, per line equipped | | | |
| One-Party Residence | --/CNTRR | $ 0.00 | $ 5.00 |
| One-Party Business | --/CNTRB | 0.00 | 5.00 |
| Option 1, per COPTS line equipped | -- | 0.00 | 19.95 |
| b. Option 2, per line equipped | | | |
| One-Party Residence | --/CNTRR | 0.00 | 5.00 |
| One-Party Business | --/CNTRB | 0.00 | 5.00 |
| Option 2 per COPTS line Equipped | -- | 0.00 | 19.95 |

* A Subsequent Order charge as listed in the Service Charges segment of Section 6 of this tariff also applies. The installation charge applies in addition to all other Service Connection charges when this service is ordered in conjunction with other services. The installation charges does not apply when a customer elects to change Toll Restriction options.

GENERAL REGULATIONS

MARKET TRIALS

1. General

   a. A market trial shall be offered to test the packaging, pricing and/or other marketing features of a product or service.

   b. Services may be offered on a trial basis for a specified time period to specific areas and/or classes of customers.

   c. Each trial shall be briefly described in a written notice to the Commission filed at least ten days in advance of the trial commencement date. The notice will be in the form of a tariff page filed in Section 5 of this tariff and will remain in effect for the length of the trial.

GENERAL REGULATIONS

FRONTIER EMERGENCY CONNECT SERVICE

A. GENERAL

1. Frontier Emergency Connect Service is a LIMITED SERVICE that allows calls to be placed to 911 ONLY. The service does NOT allow for any inbound calling.

B. REGULATIONS

1. This service is available where technically feasible and subject to availability of existing facilities.

2. All attempted inbound calls will receive a recording saying the number is not in service.

3. Customers will not be given a telephone number of the service and no directory listing services will be available.

4. The customer only has the following dialing options:

   - 911 and
   - Where technically feasible, the ability to dial 611 and/or a Frontier Call Center.
   - All other calling patterns will receive re-order tone.

5. The call origination telephone number (All information) going to the 911 center will indicate NO CALL BACK allowed.

6. Applicable Non-Recurring charges may apply.

7. NO LIABILITY SHALL ATTACH TO THE COMPANY REGARDING USE OF SERVICES OR THE FAILURE OF OR INABILITY TO USE THE SERVICES. FURTHER, COMPANY SHALL NOT BE LIABLE FOR DAMAGES (INCIDENTIAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY OR ATTORNEY'S FEES) ARISING FROM ERRORS, MISTAKES, OMISSIONS, INTERRUPTIONS, OR DELAYS OF THE COMPANY, ITS AGENTS, SERVANTS OR EMPLOYEES, IN THE COURSE OF ESTABLISHING, FURNISHING, REARRANGING, MOVING, TERMINATING, OR CHANGING THE SERVICE OF FACILITIES (INCLUDING THE OBTAINING OR FURNISHING OF INFORMATION IN RESPECT THEREOF OR WITH RESPECT TO THE CUSTOMERS OR USERS OF THE SERVICE OR FACILITIES).

C. RATES AND CHARGES

| | Monthly Rate |
|---|---|
| Frontier Emergency Connect Service | $4.99 |

GENERAL REGULATIONS

PRIVATE AND SEMI-PRIVATE SERVICE

A. PROVISION OF SERVICES

1. A Customer may request that the telephone number of his service not be published in the Company's directories. The Company may require such a request to be in writing. Upon implementation of the Customer's request, the Company will exercise reasonable care in taking the following precautions:

   a. Not to publish the nonpublished number in any of its publicly distributed directories.

   b. Except when required by law, not to disclose the nonpublished number, regardless of any claim of emergency, to any person other than: to representatives of a law enforcement or 911 emergency agency, to its own employees for use in connection with service records, to persons involved in the Company's billing and collection activities, to telecommunications common carriers for use in making their telecommunications services available to Customer, or to other telephone customers billed for calls placed from the nonpublished number.

2. In the event that the nonpublished number is published or disclosed other than as permitted under these Tariff provisions, the liability of the Company to Customer for such publication or disclosure shall be limited to and satisfied by refund of all amounts collected and cancellation of any charges which the Company may have made for nonpublished number service for the preceding 12 monthly billing periods plus waiver of the service charge for a change of telephone number. This provision does not limit the Company's liability for willful misconduct. The Customer releases, indemnifies and holds the Company harmless from any loss, claim, demand, suit, or liability of any person arising directly or indirectly from compliance with these Tariff provisions, the publication of such nonpublished number, or the disclosure of said number to any person.

3. Semi-Private Service will not be furnished in connection with certain automatic announcement, automatic answering and recording, or recorder coupler services as outlined in this tariff.

4. Semi-Private Service is not available to a Customer living in a hotel, apartment house, boarding house, hospital, retirement home, club or like complex which is listed under the number of the PBX or PABX.

5. Semi-Private Service is a telephone number which is not listed in the telephone directory. However, the number is listed in the directory assistance records and is given out upon request.

GENERAL REGULATIONS

PRIVATE AND SEMI-PRIVATE SERVICE

B. APPLICATIONS OF RATES

Rates for Private and Semi-Private Service do not apply to the following:

1. Special Reverse Charge Toll Service.

2. Foreign Exchange Service where the Customer is also furnished other exchange service and such service is listed in the directory.

3. Additional service furnished to the same Customer who has service listed in the telephone directory at the same address.

4. Temporary service furnished for short periods, such as for elections, special events (e.g. fairs, exhibits, parades, etc.), construction sites and other like situations.

5. Inward Wide Area Telecommunications Service.

6. Service to apartment house security systems.

7. Service to data terminals, or assemblies with no voice use.

C. RATES AND CHARGES

| | Monthly Rate |
|---|---|
| Private Service, each. | |
| Residential | $3.50 (12/13/2022) |
| Business | $3.50 (12/13/2022) |
| Semiprivate Service, each. | |
| Residential | $3.50 (12/13/2022) |
| Business | $3.50 (12/13/2022) |

GENERAL SERVICES

VACATION GET AWAY SERVICE

A. GENERAL

Vacation Get Away service provides for temporary discontinuance of service at the customer's request without termination of the service.

B. CONDITIONS

1. Vacation Get Away Service applies to customers of Residential Exchange Access Service as well as vertical features, bundles and other basic services. Vacation Get Away Service is not available for Lifeline customers.

2. No outward or inward service is provided during the period of Vacation Get Away Service, except for 911 calls.

3. Vacation Get Away Service will not be made available for periods of less than two (2) months.

4. Vacation Get Away Service is available to a customer for a maximum period of nine (9) consecutive months. The customer's number must be working for at least 90 days in a calendar year.

5. During the period of Vacation Get Away Service, no installations, moves, changes or maintenance will be provided. Changes to billing address would be allowed.

6. The customer may request a restoration date in advance of the maximum allowable vacation period otherwise, complete service and billing will be restored on the last day of the maximum allowable vacation period of 9 months. A service order agreement will be sent to the customer at the time of restoral. (04/15/2025)

Text Deleted (04/15/2025)

8. Vacation Get Away Service will be available where technically feasible.

9. Charges for Vacation Get Away Service will be a monthly recurring fee. (04/15/2026)

C. RATES:

| Monthly Recurring Charge (04/15/2025) |
|---|
| $5.00 (04/15/2025) |

SERVICE CHARGES

INDEX


| | | Sheet Number | |
|---|---|---|---|
| A. | General | 1 | |
| B. | Application | 2 | |
| C. | Exceptions | 2 | |
| D. | Charges | 3 | |
| E. | Non-Sufficient Funds (Returned Checks) | 3 | |
| F. | Tribal Link-Up Service Connection Program | 4 | (T) |

SERVICE CHARGES

A. GENERAL

Service charges are nonrecurring charges for establishing service, connecting equipment and modifying existing service, when applicable. Service charges are caused by customer requests only. The charges specified herein do not contemplate work being performed by Company employees at a time when overtime wages apply due to the request of the customer nor do they contemplate work begun interrupted by the customer. If the customer requests overtime labor being performed or interrupts work once begun, a charge in addition to the specified charges will be made equal to the additional cost involved.

1. Service Order Charge

   The charge for receiving, recording and processing information from a customer or applicant. One of the following will apply:

   a. A primary charge applies to customer requests initiating service, reestablishing service at a new location, and/or changes in telephone numbers.

   b. A subsequent charge applies to all other customer requests.

2. Line Connection Charge

   The charge for work associated with provision of service from the central office including, but not limited to, central office connections, cable cross connections and/or outside plant connections up to and including the protector and/or the point of demarcation.

3. Coin Line Telephone Installation

   a. This charge applies to the installation of a coin telephone for coin line telephone service, whether wiring is in place or not, and is in addition to other applicable service charges.

   b. This charge does not apply if the coin telephone is in place at the time service is established and no change is requested by the customer.

SERVICE CHARGES

B. APPLICATION

1. Charges in this section apply in addition to all other rates and charges in this tariff unless specifically excepted.

2. One or more charges may be applicable, based on the services requested by the customer.

3. Only one Service Order Charge applies per customer contact.

4. Service restoral charges will include a subsequent service order charge and a line connection charge.

5. A Subsequent Service Order Charge is applicable to residential customers who wish to subscribe to Complete Blocking per-line only after a 90-day period of introduction to the service. A Subsequent Service Order Charge for this service is also applicable to new residential customers only after a 90- day period elapses from the customer joining the network.

C. EXCEPTIONS

Service charges do not apply to:

1. Removal or discontinuance of equipment or service.

2. Calling card requests.

3. Suspension or reconnection of vacation rate service.

4. The provision of Custom Calling Service features, with the following exceptions:

   a. Complete blocking per line as specified in B.5., preceding.

   b. Frontier Feature5 Pack[sm] and Frontier Choices[sm] Tier Bundles Service charges apply when customers initially order these service packages or bundles. Service charges do not apply when customers order subsequent changes in their choice of features in these service packages or bundles.

   c. FrontierWorks[sm] Small Business Solutions

SERVICE CHARGES

D. CHARGES

Service Charges for initial establishment of service may be paid in six equal monthly installments beginning with the first bill. Residence customers may elect to pay such charges under Installment Billing for Residence Customers, as provided for elsewhere in this tariff.

| | | Billing Code | Business Charge | Residence Charge |
|---|---|---|---|---|
| 1. | Service order, per request | | | |
| | a. Primary | SCC11 | $14.00 | $14.00 |
| | b. Subsequent | SCC12/SCC13 | 12.00 | 12.00 |
| 2. | Line Connection charge, per line, per central office | SCC19/SCC16 | 16.00 | 16.00 |
| 3. | Coin Line Telephone Installation-Wiring Connection Charge | -- | 46.75 | -- |

E. NON-SUFFICIENT FUND (RETURNED CHECKS)

| | | | |
|---|---|---|---|
| A charge applies to cover the administrative cost incurred in handling non-sufficient funds checks | -- | 10.00 | 10.00 |

SERVICE CHARGES

F. TRIBAL LINK-UP SERVICE CONNECTION PROGRAM (T)

1. General

The Tribal Link-Up Service Connection Program is a federally sponsored assistance program under 47 CFR §54 and is designed to make telephone service accessible to qualifying low-income residential households who are currently not on the public switched network. Through this program, residents of Tribal Lands qualify for an additional reduction of up to $100 to cover 100% of the charges to connect the subscriber to the network, including facilities based line extension or construction charges needed to initiate service. (T) (T) (T)

2. Eligibility Requirements (T)

To be eligible for assistance, an applicant must meet the following requirements:

a. This discount applies on a single line at the principal place of residence for the applicant.

b. Applicant can receive the benefit of the Tribal Link-Up Program a second or subsequent time only for a principal place of residence with an address different from the residence address at which Tribal Link-Up assistance was previously provided. (T)

c. Applicant signs document certifying under penalty of perjury that the consumer has income at or below 135 percent of the Federal Poverty Guidelines or receives benefits from at least one following programs: (T)

- Medicaid/Medical Assistance
- Food Support/Food Stamps
- Supplemental Security Income
- Federal Public Housing Assistance or Section 8
- Low Income Home Energy Assistance Program (LIHEAP)
- National School Lunch Program's Free Lunch Program
- Temporary Assistance for Needy Families (Minnesota Family Investment Program, or MFIP)

Individuals who do not qualify under any of the above but lives on or near a federally recognized reservation may qualify if the applicant signs a document certifying under penalty of perjury that the applicant receives benefits from at least one of the following programs:

- Bureau of Indian Affairs General Assistance
- Tribally administered Temporary Assistance for Needy Families
- Head Start (only for those meeting its income qualifying standard)
- National School Lunch Program’s free lunch program

d. Applicant agrees to notify the carrier if that consumer ceases to participate in any of the above listed federal assistance programs.

SERVICE CHARGES

F. TRIBAL LINK-UP SERVICE CONNECTION PROGRAM (Continued) (T)

3. Credit and Collections

a. Credit Reference

The credit verification procedures used for all applicants who apply for service will also be used for applicants who apply for service under the Tribal Link-up program. (T)

b. Deposits

The deposit standards used for all applicants who apply for service will also be used for applicants who apply for service under the Tribal Link-up program. The Tribal Link-Up program does not reduce or eliminate any permissible security deposits. (T)

c. Collection Standards (T)

Once service has been established for a Tribal Link-Up applicant, the customer will be expected to adhere to the same bill payment policies expected of any other customer.

SPECIALIZED SERVICES

INDEX


| Subject | Sheet Number |
|---|---|
| Emergency Telephone Service (9-1-1) Surcharge | 25 |
| Emergency Telephone Service (9-1-1) | 26 |
| N11 Services | 3 |
| 211 Service | 3 |
| 511 Service | 10 |
| 711 Service | 15 |
| 811 Service | 20 |
| Telecommunications Access Minnesota (TAM) | 1 |


(D)

SPECIALIZED SERVICES

TELECOMMUNICATIONS ACCESS MINNESOTA (TAM)

A. DEFINITION

This tariff provides for a surcharge to establish and administer a program to distribute communication devices to eligible communication-impaired persons and to create and maintain a message relay service.

B. ELIGIBILITY FOR COMMUNICATIONS DEVICES

To be eligible to obtain a communication device a person must be:

1. at least five years of age:
2. communication impaired:
3. a resident of the state:
4. a resident in a household that has a median income at or below the applicable median household income in the state except a deaf and blind person applying for a telebraille unit may reside in a household that has a median income no more than 150 percent of the applicable median household income in the state: and
5. a resident in a household that has telephone service or that has made application for service and has been assigned a telephone number.

C. ELIGIBILITY FOR WIRING INSTALLATION

If a communication-impaired person does not have telephone service and is subject to economic hardship as determined by the TAM board, the telephone company providing local service shall at the direction of the administrator of the program install necessary outside wiring without charge.

D. REGULATIONS

Service Charges shall not apply to eligible persons to establish this program on existing service.

E. FUNDING

This program shall be funded through a surcharge on residence and business access lines, which pay the 911 surcharge, pursuant to Minnesota Rules, part 7817.0300.

F. RATES

The surcharge rate is the effective rate ordered by the Minnesota Public Utilities Commission. The Company is responsible for billing, collecting and remitting the surcharge to appropriate government agency.

RESERVED FOR FUTURE USE

(D) (T)

(D)

(D)
(D)

RESERVED FOR FUTURE USE (D) (T)

(D)

(D)

SPECIALIZED SERVICES

N11 SERVICES
211 Service

A. GENERAL

1. 211 Service ("211") is a three-digit local dialing arrangement available in specified areas for the delivery of community information and referral services via voice grade facilities. Pursuant to Order 00-256, issued by the Federal Communications Commission (FCC) in CC Docket 92-105, the 211 code is assigned for access to community information and referral services.

2. Calls placed to the 211 code will be routed to the point-to number assigned to a 211 Subscriber based upon the central office switch where technically feasible, such that all calls from Company subscribers in a local exchange to the 211 abbreviated dialing code will be routed to a single point-to number.

B. 211 SUBSCRIBER OBLIGATIONS

1. 211 will be provided under the following conditions:

   a. The 211 Subscriber shall make written application for 211 Service to the Company at the local exchange level. The 211 Subscriber will subscribe to adequate telephone facilities initially and subsequently as may be required to adequately handle calls to 211 without impairing the Company's general telephone service or telephone plant.

   b. The 211 Subscriber is responsible for obtaining all necessary permission, licenses, written consents, waivers and releases, and all other rights from all persons whose work, statements or performances are used in connection with the 211 Service, and from all holders of copyrights, trademarks, and patents used in connection with said service.

SPECIALIZED SERVICES

N11 SERVICES
211 Service

B. 211 SUBSCRIBER OBLIGATIONS (Continued)

1. 211 will be provided under the following conditions: (Continued)

   c. The 211 Subscriber will be liable for, and will indemnify, protect, defend and save harmless the Company against all suits, actions, claims, demands and judgments, and of all costs, expenses and counsel fees incurred on account thereof, arising out of and resulting directly or indirectly from the service or in connection therewith, including but not limited to, any loss, damage, expense or liability resulting from any infringement or claim of infringement, or any patent, trademark, copyright, or resulting from any claim of liable and slander.

   d. The 211 Subscriber will respond promptly to any and all complaints lodged with any regulatory authority against any service provided via 211. If requested by the Company, the 211 Subscriber will assist the Company in responding to complaints made to the Company concerning the subscriber's 211 Service.

   e. The Company will provide both oral and written notification when a 211 Subscriber's service unreasonably interferes with or impairs other services rendered to the public by the Company or by other subscribers of 211. The Company reserves the right once notification is made to institute protective measures up to and including termination at any time and without further notice. The Company may take protective measures when the 211 Subscriber makes no modification or is unwilling to accept modification in method of operation, or continues to cause service impairments.

2. The following conditions apply if the 211 Subscriber provides a prerecorded announcement:

   a. The 211 Subscriber will provide announcements. The Company will provide only delivery of the call.

SPECIALIZED SERVICES

N11 SERVICES
211 Service

B. 211 SUBSCRIBER OBLIGATIONS (Continued)

2. The following conditions apply if the 211 Subscriber provides a prerecorded announcement: (Continued)

   b. The provision of access to the 211 network by the Company for the transmission of announcements or recorded program services is subject to availability of such facilities and the requirements of the local exchange network.

   c. The 211 Subscriber assumes all financial responsibility for all costs involved in providing announcement or recorded program services including, but not limited to, the recorder-announcement equipment producing the recording, advertising and promotional expenses.

   d. The 211 Subscriber assumes all financial responsibility, according to other specific rates and charges under tariff, for all facilities required to connect the recorder-announcement equipment located on the subscriber's premises.

3. The Company will provision the subscriber's order within a reasonable time, given the complexity of the order. The 211 Subscriber will be billed the nonrecurring charge when the service is provisioned by the Company.

   If during this period, the 211 Subscriber has failed to establish service or decides to discontinue service establishment, the 211 code will be recalled and the code will be considered available for reassignment. If the network has been provisioned for the subscriber, the nonrecurring charges will not be refunded or waived.

4. The 211 Subscriber is restricted from selling or transferring the 211 code to an unaffiliated entity, either directly or indirectly.

5. The 211 Subscriber shall work separately with cellular or wireless companies to ascertain whether cellular or wireless customers will be able to reach community information and referral services provided by dialing 211.

6. Disputes regarding geographic coverage by two or more 211 Subscribers will be referred to the Minnesota Public Utilities Commission.

SPECIALIZED SERVICES

N11 SERVICES
211 Service

B. 211 SUBSCRIBER OBLIGATIONS (Continued)

7. The Company may take all legal and practical steps to disassociate itself from 211 Subscribers whose business and/or public conduct (whether demonstrated or proposed) is of a type that in the Company's discretion generates unacceptable levels of complaints by end users.

8. The 211 Subscriber shall comply with all present and future rules pertaining to abbreviated dialing codes adopted by the Federal Communications Commission, in rulemaking proceeding CC Docket No. 92-105, CC Docket No. 00-256, and otherwise, including any and all requirements to relinquish the 211 abbreviated dialing code in the event of a national assignment contrary to the existing assignment.

C. OTHER TERMS AND CONDITIONS

1. This service is provided subject to the availability of the 211 code.

2. 211 Service can be delivered via regular exchange access lines (by individual business line, PBX trunks, etc.).

3. 211 Service is supplemental to and is not a replacement for local exchange service.

4. Limitations and use of 211 Service apply as stated in Section 2 of this Tariff.

5. Directory listings may be provided for 211 Service at rates under the terms, conditions, and rates specified in section 5 of this Tariff.

6. Access to 211 Service is not available to the following classes of service:
   - 1+,
   - 0+, 0-(credit card, third-party billing, collect calls),
   - 101XXXX,

   In addition, operator-assisted calls to the 211 Subscriber will not be completed.

SPECIALIZED SERVICES

N11 SERVICES
211 Service

C. OTHER TERMS AND CONDITIONS (Continued)

1. 211 Service will not provide calling number information in real time to the 211 Subscriber. If the 211 Subscriber needs this type of information, the subscriber must subscribe to a compatible Caller Identification Service as specified elsewhere.

2. Calls to the 211 Service code that translate to a disconnected number will be routed to intercept of the announcement facilities for a maximum of 60 days, when the 211 provider is a Company subscriber. The announcement provided may refer the caller to another telephone number. Callers placing calls to 211 from areas where 211 Service is not being provided will be advised that the service is not available from their number.

3. Only a single seven or ten-digit local number or a single ten-digit toll free number may be used as the point-to number.

4. 211 Service is provided where facilities permit. The Company can only provide 211 Service to one specified telephone number per exchange.

5. The Company does not undertake to answer and forward 211 Service calls but furnishes the use of its facilities to enable the 211 Provider to respond to such calls.

6. The rates charged for 211 Service do not contemplate the inspection or constant monitoring of facilities to discover errors, defects, and malfunctions in service, nor does the Company undertake such responsibility. The 211 Subscriber shall make such operational tests as, in its judgment are required to determine whether the Company's facilities are functioning properly for its use. The 211 Subscriber shall promptly notify the Company in the event the Company's facilities are not functioning properly.

SPECIALIZED SERVICES

N11 SERVICES
211 Service

C. OTHER TERMS AND CONDITIONS (Continued)

7. 211 Service is provided solely for the benefit of the 211 Subscriber. The provision of the 211 Service by the Company shall not be interpreted, constructed, or regarded, either expressly or implied, as being for the benefit of or creating any Company obligation toward any third person or legal entity.

8. The Company, its employees, or its agents are not liable for any losses or damages of any kind resulting from the unavailability of its equipment or facilities or for any act, omission or failure of performance by the Company, or it employees, or agents, in connection with this Tariff. The Company will not be responsible for calls that cannot be completed as a result of repair or maintenance difficulties in Company facilities and equipment or on equipment owned or leased by the 211 Subscriber.

D. RATES AND CHARGES

1. 211 Subscribers will pay the normal tariffed charges for the local exchange access arrangements used for transporting and terminating messages at the 211 Subscriber's designated premises.

2. Charges applicable to the 211 Service are as follows:

| | | Nonrecurring Charge |
|---|---|---|
| a. | Service Establishment Charge<br>Per Point-to-Number | $300.00 |
| b. | Central Office Switch Activation Charge<br>Per Central Office Switch Translated or Changed | $ 30.00 |

SPECIALIZED SERVICES

N11 SERVICES
511 Service

A. GENERAL

1. 511 Service ("511") is a three-digit local dialing arrangement available in specified areas for the delivery of travel information services via voice grade facilities. Pursuant to Order 00-256, issued by the Federal Communications Commission (FCC) in CC Docket 91-105, the 511 code is assigned for access to travel information services.

2. Calls placed to 511 code will be routed to the point-to number based upon the central office switch where technically feasible.

B. TERMS AND CONDITIONS

1. This service is provided subject to the availability of the 511 code.

2. 511 can be delivered via regular exchange access lines (by individual business line, PBX trunks, etc.).

3. Limitations and use of service apply as stated in Section 2 of this Tariff.

4. Directory listings for 511 are offered under the terms, conditions, and rates specified in section 5 of this Tariff.

5. Operator-assisted calls to the 511 subscriber will not be completed.

6. The 511 subscriber is restricted from selling or transferring the 511 code to an unaffiliated entity, either directly or indirectly.

7. 511 will not provide calling number information in real time to the 511 subscriber. If the 511 subscriber needs this type of information, the subscriber must subscribe to a compatible Caller Identification Service as specified elsewhere.

SPECIALIZED SERVICES

N11 SERVICES
511 Service

B. TERMS AND CONDITIONS (Continued)

8. Calls to the 511 code that translate to a disconnected number will be routed to intercept of the announcement facilities for a maximum of 60 days, when the 511 provider is a Company subscriber. The announcement provided may refer the caller to another telephone number. Callers placing calls to 511 from areas where 511 service is not being provided will be advised that the service is not available from their number.

9. Disputes regarding geographic coverage by two or more 511 subscribers will be referred to the Minnesota Public Utilities Commission.

10. The Company will provision the subscriber's order within a reasonable time, given the complexity of the order. The 511 subscriber will be billed the nonrecurring charge when the service is provisioned by the Company.

If during this period, the 511 subscriber has failed to establish service or decides to discontinue service establishment, the 511 code will be recalled and the code will be considered available for reassignment. If the network has been provisioned for the subscriber, the nonrecurring charges will not be refunded or waived.

11. Only a single seven- or ten-digit local number or a single ten-digit toll-free number may be used as the point-to number.

12. 511 Service is provided where facilities permit.

13. The 511 subscriber shall work separately with cellular or wireless companies to ascertain whether cellular or wireless customers will be able to reach travel information services provided by dialing 511.

SPECIALIZED SERVICES

N11 SERVICES
511 Service

B. TERMS AND CONDITIONS (Continued)

14. 511 will be provided under the following conditions:

a. The 511 subscriber will subscribe to adequate telephone facilities initially and subsequently as may be required to adequately handle calls to 511 without impairing the Company's general telephone service or telephone plant.

b. The 511 subscriber is responsible for obtaining all necessary permission, licenses, written consents, waivers and releases, and all other rights from all persons whose work, statements or performances are used in connection with the service, and from all holders of copyrights, trademarks, and patents used in connection with said service.

c. The 511 subscriber will be liable for, and will indemnify, protect, defend and save harmless the Company against all suits, actions, claims, demands and judgments, and of all costs, expenses and counsel fees incurred on account thereof, arising out of and resulting directly or indirectly from the service or in connection therewith, including but not limited to, any loss, damage, expense or liability resulting from any infringement or claim of infringement, or any patent, trademark, copyright, or resulting from any claim of liable and slander.

d. Suspension of 511 Service is not allowed.

e. The 511 subscriber will respond promptly to any and all complaints lodged with any regulatory authority against any service provided via
511. If requested by the Company, the 511 subscriber will assist the Company in responding to complaints made to the Company concerning the subscriber's 511 service.

SPECIALIZED SERVICES

N11 SERVICES
511 Service

B. TERMS AND CONDITIONS (Continued)

14. 511 will be provided under the following conditions: (Continued)

    f. The Company will provide both oral and written notification when a 511 subscriber's service unreasonably interferes with or impairs other services rendered to the public by the Company or by other subscribers of 511. The Company reserves the right once notification is made to institute protective measures up to and including termination at any time and without further notice. The Company may take protective measures when the 511 subscriber makes no modification or is unwilling to accept modification in method of operation, or continues to cause service impairments.

15. The following conditions apply if the 511 subscriber provides a pre- recorded announcement:

    a. The 511 subscriber will provide announcements. The Company will provide only delivery of the call.

    b. The provision of access to the 511 network by the Company for the transmission of announcements or recorded program services is subject availability of such facilities and the requirements of the local exchange network.

    c. The 511 subscriber assumes all financial responsibility for all costs involved in providing announcement or recorded program services including, but not limited to, the recorder-announcement equipment producing the recording, advertising and promotional expenses.

    d. The 511 subscriber assumes all financial responsibility, according to other specific rates and charges under tariff, for all facilities required to connect the recorder-announcement equipment located on the subscriber's premises.

SPECIALIZED SERVICES

N11 SERVICES
511 Service

B. TERMS AND CONDITIONS (Continued)

16. The Company may take all legal and practical steps to disassociate itself from 511 subscribers whose business and/or public conduct (whether demonstrated or proposed) is of a type that in the Company's discretion generates unacceptable levels of complaints by end users.

17. The Company will not be liable for any losses or damages of any kind resulting from the unavailability of its equipment or facilities or for any act, omission or failure of performance by the by the Company, or its employees, or agents, in connection with this Tariff. The Company will not be responsible for calls that cannot be completed as a result of repair or maintenance difficulties on Company facilities and equipment or on equipment owned or leased by the subscriber.

C. Rates and Charges

1. 511 subscribers will pay the normal tariffed charges for the local exchange access arrangements used for transporting and terminating messages at the 511 subscriber's designated premises.

2. Charges applicable to the 511 Service are as follows:

| | Nonrecurring Charge |
|---|---|
| 1. Service Charge | |
| Per Point-to-Number | $300.00 |
| 2. Central Office Switch Activation Charge | |
| Per Central Office Switch Translated or Changed | 30.00 |

SPECIALIZED SERVICES

N11 SERVICES
711 Service

A. GENERAL

711 Service ("711") is a three-digit local dialing arrangement for telephone transmission access to all Telecommunications Relay Service (TRS) entities as a toll free call. Pursuant to Order 00-257, issued by the Federal Communications Commission (FCC) in CC Docket 92-105, the 711 code is assigned for nationwide access to TRS entities.

B. TERMS AND CONDITIONS

1. This service is provided subject to the availability of the 711 code.

2. 711 can be delivered via regular exchange access lines (by individual business line, PBX trunks, etc.).

3. Limitations and use of service apply as stated in Section 2 of this Tariff.

4. Directory listings for 711 are provided at no charge.

5. Operator-assisted calls to the 711 subscriber will not be completed.

6. The 711 subscriber is restricted from selling or transferring the 711 code to an unaffiliated entity, either directly or indirectly.

7. 711 will not provide calling number information in real time to the 711 subscriber. If the 711 subscriber needs this type of information, the 711 subscriber must subscribe to a compatible Caller Identification Service as specified elsewhere.

SPECIALIZED SERVICES

N11 SERVICES
711 Service

B. TERMS AND CONDITIONS (Continued)

8. Calls to the 711 code that translate to a disconnected number will be routed to intercept of the announcement facilities for a maximum of 60 days, when the 711 provider is a Company subscriber. The announcement provided may refer the caller to another telephone number. Callers placing calls to 711 service from areas where 711 service is not provided will be advised that the service is not available from their number.

9. Only a single seven- or ten-digit local number or a single ten-digit toll free number may be used as the point-to number.

10. 711 Service is provided where facilities permit.

11. The 711 subscriber shall work separately with cellular or wireless companies to ascertain whether cellular or wireless customers will be able to reach relay services provided by dialing 711.

12. 711 will be provided under the following conditions:

    a. The 711 subscriber will subscribe to adequate telephone facilities initially and subsequently as may be required, in the judgment of the Company, to handle calls to 711 without impairing the Company's general telephone service or telephone plant.

    b. The 711 subscriber is responsible for obtaining all necessary permission, licenses, written consents, waivers and releases, and all other rights from all persons whose work, statements or performances are used in connection with the service, and from all holders of copyrights, trademarks, and patents used in connection with said service.

SPECIALIZED SERVICES

N11 SERVICES
711 Service

B. TERMS AND CONDITIONS (Continued)

12. 711 will be provided under the following conditions: (Continued)

c. The 711 subscriber will be liable for, and shall indemnify, protect, defend and save harmless the Company against all suits, actions, claims, demands and judgments, and of all costs, expenses and counsel fees incurred on account thereof, arising out of and resulting directly or indirectly from the service or in connection therewith, including but not limited to, any loss, damage, expense or liability resulting from any infringement or claim of infringement, or any patent, trademark, copyright, or resulting from any claim of liable and slander.

d. Suspension of 711 Services is not allowed.

e. The 711 subscriber will respond promptly to any and all complaints lodged with any regulatory authority against any service provided via 711. At the Company's request, the 711 subscriber will assist in responding to complaints made to the Company concerning the subscriber's 711 service.

f. The Company will provide both oral and written notification when a 711 subscriber's service unreasonably interferes with or impairs other services rendered to the public by the Company or by other subscribers of 711. The Company reserves the right once notification is made to institute protective measures up to and including termination at any time and without further notice. The Company may take protective measure when the 711 subscriber makes no modification or is unwilling to accept modification in method of operation, or continues to cause service impairments.

SPECIALIZED SERVICES

N11 SERVICES
711 Service

B. TERMS AND CONDITIONS (Continued)

13. The following conditions apply if the 711 subscriber provides a pre- recorded announcement:

    a. The 711 subscriber will provide announcements. The Company will provide only delivery of the call.

    b. The Company's provision of access to the 711 network for transmission of announcements or recorded program services is subject to the availability of such facilities and the requirements of the local exchange network.

    c. The 711 subscriber assumes all financial responsibility for all costs involved in providing announcement or recorded program services including but not limited to, the recorder-announcement equipment producing the recording, advertising and promotional expenses.

    d. The 711 subscriber assumes all financial responsibility, according to other specific rates and charges under tariff, for all facilities required to connect the recorder-announcement equipment located on the subscriber's premises.

14. The Company may take all legal and practical steps to disassociate itself from 711 subscribers whose business and/or public conduct (whether demonstrated or proposed) is of a type that in the Company's discretion generates unacceptable levels of complaints by end users.

SPECIALIZED SERVICES

N11 SERVICES
711 Service

B. TERMS AND CONDITIONS (Continued)

15. The Company is not liable for any losses or damages of any kind resulting from the unavailability of its equipment or facilities or for any act, omission or failure of performance by the by the Company, or its employees, or agents, in connection with this Tariff. The Company shall not be responsible for calls that cannot be completed as a result of repair or maintenance difficulties on Company facilities and equipment or on equipment owned or leased by the subscriber.

16. 711 subscribers will pay the normal tariffed charges for the local exchange access arrangements (e.g., PBX trunks, Centrex Type Services lines, etc.) used for transporting and terminating messages at the 711 subscriber's designated premises.

C. RATE AND CHARGES

1. There will be no charge for the initial establishment of 711 Service.

2. For subsequent point-to number changes for 711 Service, the following non-recurring charges apply:

| | Nonrecurring Charge |
|---|---|
| 1. Service Charge | |
| Per Point-to Number | $300.00 |
| 2. Central Office Switch Activation Charge | |
| Per Central Office Switch Translated or Changed | 30.00 |

SPECIALIZED SERVICES

N11 SERVICES
811 Service

A. GENERAL

1. 811 Service ("811") is a three-digit local dialing arrangement available in specified areas for access to a one call notification provider via voice grade facilities. Pursuant to Order 05-59, issued by the Federal Communications Commission (FCC) in CC Docket 92-105, the 811 code is assigned for one call notification Centers.

2. Calls placed to 811 code will be routed to the point-to number based upon the central office switch where technically feasible.

B. TERMS AND CONDITIONS

1. This service is provided subject to the availability of the 811 code.

2. 811 can be delivered via regular exchange access lines (by individual business line, PBX trunks, etc.).

3. Limitations and use of service apply as stated in Section 2 of this Tariff.

4. Directory listings for 811 are offered under the terms, conditions, and rates specified in section 5 of this Tariff.

5. Access to 811 is not available to the following classes of service:

   - 1+
   - 0+, 0- (credit card, third-party billing, collect calls)
   - 101XXXX

   Operator-assisted calls to the 811 subscriber will not be completed.

6. The 811 subscriber is restricted from selling or transferring the 811 code to an unaffiliated entity, either directly or indirectly.

SPECIALIZED SERVICES

N11 SERVICES
811 Service

B. TERMS AND CONDITIONS (Continued)

7. 811 will not provide calling number information in real time to the 811 subscriber. If the 811 subscriber needs this type of information, the subscriber must subscribe to a compatible Caller Identification Service as specified elsewhere.

8. Calls to the 811 code that translate to a disconnected number will be routed to intercept of the announcement facilities for a maximum of 60 days, when the 811 provider is a Company subscriber. The announcement provided may refer the caller to another telephone number. Callers placing calls to 811 from areas where 811 service is not being provided will be advised that the service is not available from their number.

9. Disputes regarding geographic coverage by two or more 811 subscribers will be referred to the Minnesota Public Utilities Commission.

10. The Company will provision the subscriber's order within a reasonable time, given the complexity of the order. The 811 subscriber will be billed the nonrecurring charge when the service is provisioned by the Company.

If during this period, the 811 subscriber has failed to establish service or decides to discontinue service establishment, the 811 code will be recalled and the code will be considered available for reassignment. If the network has been provisioned for the subscriber, the nonrecurring charges will not be refunded or waived.

11. Only a single ten-digit toll-free or local number may be used as the point-to number.

12. 811 Service is provided where facilities permit.

13. The 811 subscriber shall work separately with cellular or wireless companies to ascertain whether cellular or wireless customers will be able to reach the One Call Center for services provided by dialing 811.

SPECIALIZED SERVICES

N11 SERVICES
811 Service

B. TERMS AND CONDITIONS (Continued)

14. 811 will be provided under the following conditions:

a. The 811 subscriber will subscribe to adequate telephone facilities initially and subsequently as may be required to adequately handle calls to 811 without impairing the Company's general telephone service or telephone plant.

b. The 811 subscriber is responsible for obtaining all necessary permission, licenses, written consents, waivers and releases, and all other rights from all persons whose work, statements or performances are used in connection with the service, and from all holders of copyrights, trademarks, and patents used in connection with said service.

c. The 811 subscriber will be liable for, and will indemnify, protect, defend and save harmless the Company against all suits, actions, claims, demands and judgments, and of all costs, expenses and counsel fees incurred on account thereof, arising out of and resulting directly or indirectly from the service or in connection therewith, including but not limited to, any loss, damage, expense or liability resulting from any infringement or claim of infringement, or any patent, trademark, copyright, or resulting from any claim of liable and slander.

d. Suspension of 811 Service is not allowed.

e. The 811 subscriber will respond promptly to any and all complaints lodged with any regulatory authority against any service provided via 811. If requested by the Company, the 811 subscriber will assist the Company in responding to complaints made to the Company concerning the subscriber's 811 service.

SPECIALIZED SERVICES

N11 SERVICES
811 Service

B. TERMS AND CONDITIONS (Continued)

14. 811 will be provided under the following conditions: (Continued)

    f. The Company will provide both oral and written notification when a 811 subscriber's service unreasonably interferes with or impairs other services rendered to the public by the Company or by other subscribers of 811. The Company reserves the right once notification is made to institute protective measures up to and including termination at any time and without further notice. The Company may take protective measures when the 811 subscriber makes no modification or is unwilling to accept modification in method of operation, or continues to cause service impairments.

15. The following conditions apply if the 811 subscriber provides a pre-recorded announcement:

    a. The 811 subscriber will provide announcements. The Company will provide only delivery of the call.

    b. The provision of access to the 811 network by the Company for the transmission of announcements or recorded program services is subject availability of such facilities and the requirements of the local exchange network.

    c. The 811 subscriber assumes all financial responsibility for all costs involved in providing announcement or recorded program services including, but not limited to, the recorder- announcement equipment producing the recording, advertising and promotional expenses.

    d. The 811 subscriber assumes all financial responsibility, according to other specific rates and charges under tariff, for all facilities required to connect the recorder-announcement equipment located on the subscriber's premises.

SPECIALIZED SERVICES

N11 SERVICES
811 Service

B. TERMS AND CONDITIONS (Continued)

16. The Company may take all legal and practical steps to disassociate itself from 811 subscribers whose business and/or public conduct (whether demonstrated or proposed) is of a type that in the Company's discretion generates unacceptable levels of complaints by end users.

17. The Company will not be liable for any losses or damages of any kind resulting from the unavailability of its equipment or facilities or for any act, omission or failure of performance by the by the Company, or its employees, or agents, in connection with this Tariff. The Company will not be responsible for calls that cannot be completed as a result of repair or maintenance difficulties on Company facilities and equipment or on equipment owned or leased by the subscriber.

C. Rates and Charges

1. 811 subscribers will pay the normal tariffed charges for the local exchange access arrangements used for transporting and terminating messages at the 811 subscriber's designated premises.

2. Charges applicable to the 811 Service are as follows:

| | | Nonrecurring Charge |
|---|---|---|
| 1. | Service Charge<br>Per Point-to-Number | $300.00 |
| 2. | Central Office Switch Activation Charge<br>Per Central Office Switch Translated or Changed | 30.00 |

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1) SURCHARGE

A. A monthly surcharge, as mandated by Minnesota Statutes Section 403.11, is applicable to each customer access line (including trunk equivalents as designated for access charge purposes). Fees collected by the Company are remitted to the State of Minnesota.

| | Monthly Rate | |
|---|---|---|
| Surcharge per line | $.95 | (I) |

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

A. RATES (1)

| | | Billing Code | Monthly Rate (1) | Nonrecurring Charge |
|---|---|---|---|---|
| 1. | 9-1-1 Central Office Enabling, per central office | | Refer to Section 2, Special Assemblies of Equipment | |
| 2. | Automatic Number Identification (ANI) 9-1-1 Central Office Enabling, per central office (2) | -- | $52.55 | $0.00 |

3. 9-1-1 Service Line

| Exchange | Monthly Rate (1) Basic |
|---|---|
| Adams | $28.50 |
| Alborn | $28.50 |
| Alden | $28.50 |
| Almelund | $28.50 |
| Alvarado | $28.50 |
| Arco | $28.50 |
| Argyle | $28.50 |
| Askov | $28.50 |
| Atwater | $28.50 |
| Aurora | $28.50 |
| Babbitt | $28.50 |
| Bear River | $28.50 |
| Belgrade | $28.50 |
| Big Falls | $28.50 |
| Bigelow | $28.50 |
| Blooming Prairie | $28.50 |
| Boyd | $28.50 |
| Brimson | $28.50 |
| Brookston | $28.50 |
| Brownsdale | $28.50 |
| Butterfield | $28.50 |
| Byron | $28.50 |
| Cannon Falls | $28.50 |
| Cherry Grove | $28.50 |

(1) Rates applicable to facilities provided within Citizens Communications service territory. Connecting company rates apply to facilities located within connecting company service territory.
(2) Special construction charges will apply when special assembly is required.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

A. RATES (1) (Continued)

3. 9-1-1 Service Line (Continued)

| Exchange | Monthly Rate (1) Basic |
|---|---|
| Clear lake | $28.50 |
| Clearwater | $28.50 |
| Comfrey | $28.50 |
| Cosmos | $28.50 |
| Cottonwood | $28.50 |
| Crane Lake | $28.50 |
| Cromwell | $28.50 |
| Delano | $43.90 |
| Delft | $28.50 |
| Denham | $28.50 |
| Dexter | $28.50 |
| Dodge Center | $28.50 |
| Ellendale | $28.50 |
| Elrosa | $28.50 |
| Ely | $28.50 |
| Embarrass | $28.50 |
| Ericsburg | $28.50 |
| Finlayson | $28.50 |
| Floodwood | $28.50 |
| Fountain | $28.50 |
| Garrison | $28.50 |
| Gateway | $28.50 |
| Ghent | $28.50 |
| Greaney | $28.50 |
| Hallock | $28.50 |
| Hanley Falls | $28.50 |
| Hardwick | $28.50 |
| Hayfield | $28.50 |
| Hazel Run | $28.50 |
| Hector | $28.50 |
| Herman | $28.50 |
| Hollandale | $28.50 |
| Hoyt Lakes | $28.50 |
| International Falls | $28.50 |
| Isabella | $28.50 |
| Isle | $28.50 |
| Jacobson | $28.50 |
| Jasper | $28.50 |
| Kabetogama | $28.50 |

(1) Rates applicable to facilities provided within Citizens Communications service territory. Connecting company rates apply to facilities located within connecting company service territory.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

A. RATES (1) (Continued)

3. 9-1-1 Service Line (Continued)

| Exchange | Monthly Rate (1) Basic |
|---|---|
| Kandiyohi | $28.50 |
| Kennedy | $28.50 |
| Kenyon | $28.50 |
| Kettle River | $28.50 |
| Kiester | $28.50 |
| Kimberly | $28.50 |
| Lake Lillian | $28.50 |
| Leroy | $28.50 |
| Lindstrom | $43.90 |
| Little Fork | $28.50 |
| Lyle | $28.50 |
| Lynd | $28.50 |
| Malmo | $28.50 |
| Maple Plain | $43.90 |
| Mayer | $43.90 |
| McGrath | $28.50 |
| McGregor | $28.50 |
| Meadowlands | $28.50 |
| Milaca | $28.50 |
| Mound | $43.90 |
| Mountain Lake | $28.50 |
| New Germany | $43.90 |
| Nickerson | $28.50 |
| Odin-Ormsby | $28.50 |
| Onamia | $28.50 |
| Oslo | $28.50 |
| Palisade | $28.50 |
| Palo | $28.50 |
| Pease | $28.50 |
| Prinsburg | $28.50 |
| Ranier | $28.50 |
| Raymond | $28.50 |
| Scandia-Marine | $43.90 |
| St. Bonifacius | $43.90 |
| Stephen | $28.50 |
| Sturgeon Lake | $28.50 |
| Svea | $28.50 |
| Taylors Falls | $28.50 |
| Tower | $28.50 |

(1) Rates applicable to facilities provided within Citizens Communications service territory. Connecting company rates apply to facilities located within connecting company service territory.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

A. RATES (1) (Continued)

3. 9-1-1 Service Line (Continued)

| Exchange | Monthly Rate (1) Basic |
|---|---|
| Two Harbors | $28.50 |
| Tyler | $28.50 |
| Wahkon | $28.50 |
| Wanamingo | $28.50 |
| Warba | $28.50 |
| Warren | $28.50 |
| Watertown | $43.90 |
| West Concord | $28.50 |
| West Jasper, SD | $28.50 |
| West Oslo, ND | $28.50 |
| Wheaton | $28.50 |
| Wright | $28.50 |
| Wyoming | $43.90 |

4. Interoffice Trunking (intra- and interexchange)

a. Mileage, per airline mile each trunk (include fixed mileage charge) — Refer to Citizens Telecommunications Company of Minnesota, LLC (Lakes) Special Access Tariff

| | PLUS | | Monthly Rate (1) | Nonrecurring Charge |
|---|---|---|---|---|
| b. | Trunk Termination, per termination each trunk (2) | 91352 | $43.58 | $70.00 |

(1) Rates applicable to facilities provided within Citizens Communications service territory. Connecting company rates apply to facilities located within connecting company service territory.
(2) Does not apply to end terminating on a Selective Router. Applicable rate can be found under Selective Router Interface.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

A. RATES (1) (Continued)

| | Billing Code | Monthly Rate (1) | Nonrecurring Charge |
|---|---|---|---|
| 5. Database Charges | | | |
| a. Automatic Location Identification (ALI) Database Administration, per database | 91384 | $183.45 | $0.00 |
| b. Automatic Location Identification (ALI) Database | | | |
| 1) Each Citizens Communications subscriber record | -- | .09 | .30 |
| 2) Each non- Citizens Communications subscriber record for which Citizens Communications will verify via the MSAG (2)(3) | -- | .09 | .22 |
| c. Local Location Information (LLI) Database | -- | .09 | .30 |
| 6. Selective Routing | | | |
| a. Database Administration, per database (4) PLUS | -- | 285.00 | 512.65 |
| b. Database, per record (4) | -- | .01 | .01 |
| c. Selective Router, each | -- | 1,722.08 | 7,209.00 |
| d. Selective Router Interface, per trunk termination | -- | 55.13 | 70.00 |

Note: Rate application examples begin on Sheet 49.

(1) Rates applicable to facilities provided within Citizens Communications service territory. Connecting company rates apply to facilities located within connecting company service territory.
(2) Charge in addition to applicable connecting company/host provider charge.
(3) Includes nonregulated telephone company records provided in Citizens Communications standard format.
(4) These rates are in addition to ALI Database Processing rates.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

A. RATES (1) (Continued)

| | | Billing Code | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|---|
| 7. | Alternate Network Routing | | | |
| a. | Call Dial Unit (CDU)(2) | | | |
| 1) | Without monitoring – (digital C.O.) – 1st trunk | 91421/91423 | $120.81 | $300.96 |
| 2) | Without monitoring – (digital C.O.) – add'l trunk | 91422/91424 | 104.48 | 195.97 |
| 3) | With monitoring – (electromechanical C.O.)– 1st trunk | -- | 222.42 | 384.95 |
| 4) | With monitoring – (electromechanical C.O.)–add'l trunk | -- | 57.25 | 181.97 |
| 5) | Four-to-two wire converter | -- | 50.51 | 489.86 |
| b. | Call Answer Unit (CAU)(2) | | | |
| 1) | Without monitoring (digital C.O.) | -- | 75.09 | 510.00 |
| 2) | With monitoring (electromechanical C.O.) | -- | 156.12 | 474.80 |

Note: Rate application examples begin on Sheet 49.

(1) Rates applicable to facilities provided within Citizens Communications service territory. Connecting company rates apply to facilities located within connecting company service territory.
(2) A business access line is required for each CDU and CAU and is in addition to the cost of the CDU and CAU. Please refer to Section 4 of this tariff for applicable rates.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

A. RATES (1) (Continued)

| | | Billing Code | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|---|
| 7. | Alternate Network Routing (Continued) | | | |
| c. | Cellular Transceiver | | | |
| 1) | One channel | -- | $62.14 | $723.24 |
| 2) | Four channel | -- | 194.07 | 804.90 |
| d. | Optional Cellular Antenna | | | |
| 1) | 9 db antenna | -- | 7.74 | 0.00 |

Note: Rate application examples begin on Sheet 49.

(1) Rates applicable to facilities provided within Citizens Communications service territory. Connecting company rates apply to facilities located within connecting company service territory.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

A. RATES (Continued)

8. The following rates are limited to existing customers at their existing locations.

a. The rates and charges shown herein apply in addition to all other rates and charges applicable to service and equipment items with which 911 Service is associated.

b. The Company will evaluate the feasibility of a tandem switched arrangement should the customer desire not to use dedicated facilities from a central office other than the one serving the PSAP (remote central office). If feasible, the Company will provide 911 Service where equipment and facilities permit. Special methods and equipment may be required to provide tandem switching capability for 911 calls. The methods and equipment depend upon the specific configuration requested. Rates and charges for such service will be developed specifically for each request, based on costs and provided under the Special Assemblies of Equipment provisions in Section 2 of this Tariff.

| | | Billing Code | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|---|
| c. | Basic 911 or Enhanced 911 Service (Proctor Trunk) | | | |
| | 1) First Trunk | CPN91 | $ 57.25 | $500.00 |
| | 2) Additional Trunk, each | -- | 24.75 | 200.00 |
| | 3) Rering Capability (each 2 trunks) | -- | 16.00 | 100.00 |
| | 4) Automatic Number Identification, per 911 Trunk | -- | 22.25 | 300.00 |
| d. | TSPS/CAMA-ANI 911 Service (ITEC Trunk) | | | |
| | 1) First Trunk | 91329 | 41.50 | 500.00 |
| | 2) Additional Trunk, each | T91321 | 13.75 | 200.00 |
| e. | Basic or Enhanced 911 Service (Digital Central Office, Software Control) | -- | (1) | (2) |
| f. | Register/Resend Circuit, Per 911 Trunk | -- | 33.50 | 200.00 |

(1) Charges to equal Rate Group 1 Business Individual line rates, line access component only.
(2) Refer to Section 6, SERVICE CHARGES for appropriate charges.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

A. RATES (Continued)

9. Multi-Frequency (MF) to Signaling System 7 (SS7) Trunk Conversion

a. MF, in-band, to SS7, out-of-band, signaling is an enhancement that makes possible the forwarding of 10-digit ANI/CPN spills for use in identifying wireless and wireline subscribers.

| | Billing Code | Nonrecurring Charge |
|---|---|---|
| MF to SS7 Trunk Conversion, | 92292 | $246.00 Per trunk |

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS

1. Definition

a. 9-1-1 Service is an emergency telephone service which delivers 9-1-1 calls to one or more Public Safety Answering Points (PSAPs) as designated by the customer.

b. 9-1-1 Service includes lines and equipment within the area served by the company which permits the delivery and transfer of calls placed by persons within the service area who dial the digits 9, 1, 1. 9-1-1 Service, including the regulated components, will be provided in one of the following categories:

1) B9-1-1 (or Basic 9-1-1) Service automatically routes 9-1-1 calls to a PSAP but provides no information about the location or telephone number of the caller.

2) C9-1-1 (or ANI-only 9-1-1) Service automatically routes 9-1-1 calls to a PSAP and provides the calling telephone number (through automatic number identification or ANI) to the PSAP attendant who answers the call. C9-1-1 Service is comprised of B9-1-1 Service plus ANI spill.

3) E9-1-1 (or Enhanced 9-1-1) Service automatically routes 9-1-1 calls to a PSAP and provides the calling telephone number and address, and may also provide the name of the telephone access line subscriber and the names of the Public Safety Agencies with responsibility for the caller's location. E9-1-1 will provide a PSAP with the location of the billing or lead telephone number in cases where a nonregulated telecommunication service provider (e.g., Private Branch Exchange (PBX), Shared Tenant Service (STS), etc.) has failed to provide the customer with their subscribers' names, addresses, and telephone numbers. E9-1-1 Service is comprised of C9-1-1 Service plus ALI provisioning.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

2. Definition of Terms

a. Automatic Location Identification (ALI)

A feature of 9-1-1 Service by which the names and address associated with the number of the telephone used to dial 9-1-1 is displayed at the PSAP at the time the call is answered.

b. ALI Database

A database of ALI records containing access line subscribers' names, addresses, telephone numbers, and ESNs to be used for 9-1-1 purposes. This database, once provided to the customer, may include additional information about the subscriber's address. Subscriber names may be omitted as a local option.

c. Alternate Routing

A feature that will route a 9-1-1 call to a location other than the primary PSAP, should some temporary condition prevent the primary PSAP from answering the call.

d. Automatic Number Identification (ANI)

A feature of 9-1-1 by which the number of the telephone used to dial 9-1-1 is displayed at the PSAP at the time the call is answered.

e. ANI Spill

A central office generated data stream that forwards the telephone number of the calling party.

f. Caller

An individual who places a 9-1-1 call.

g. Customer

Governmental unit or other entity authorized to order 9-1-1 Service as part of its public safety responsibilities.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

2. Definition of Terms (Continued)

h. Default Routing

A feature activated when an incoming 9-1-1 call cannot be selectively routed due to an ANI failure, garbled digits or other causes. Such incoming calls are routed from the 9-1-1 control office (location of the selective routing function) to a preselected PSAP.

i. DMARCS

Distribution Machine for the Address and Routing Control System

j. Emergency Response Agency

For the purpose of this Tariff, an Emergency Response Agency (ERA) is a functional division of an agency authorized to respond to requests from the public to meet emergencies related to safety and/or health, such as police, fire, and emergency medical services. The agency is prepared to provide its service(s) in response to a 9-1-1 call received at, or transferred from, a PSAP.

k. Emergency Service Number

An Emergency Service Number (ESN) is assigned by the customer to all subscribers served by each combination of Emergency Response Agencies (i.e., which police, fire, and ambulance service is responsible for that subscriber's location). Thus the service area of each PSAP and Secondary PSAP can be defined in terms of the ESNs for which it is responsible. The ESN is recorded in the ALI database (where established) to inform the PSAP attendant which ERA is responsible for each 9-1-1 caller's location and in the Selective Routing records (where Selective Routing is established) to assist in determining call routing to the correct PSAP. In the database the ESN is assigned to each subscriber.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

2. Definition of Terms (Continued)

l. Host Provider

The telephone company that serves exchanges within the customer's serving area and provides 9-1-1 service to the customer and, where applicable, acts as the coordinator of other regulated telephone companies, which serve as secondary providers within the customer's serving area.

m. Local Location Information (LLI)

A database provided by the Telephone Company containing unverified subscriber information and maintained periodically by the PSAP. The initial address list and periodic updates are provided utilizing the Citizens Communications DMARCS system of data retrieval.

n. Master Street Address Guide (MSAG)

A perpetual database defining the geographic area of a 9-1-1 service, such as by an alphabetical list of the street names, high-low house number ranges, community names, PSAP identification codes, and Emergency Service Numbers (ESNs). A perpetual database is one that is maintained current.

o. Nonlisted/Unlisted

Subscriber information that is not listed in the published phone directory but is made available via Directory Assistance Service.

p. Nonpublished

Subscriber information that is neither listed in the published phone directory nor available via Directory Assistance Service.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

2. Definition of Terms (Continued)

q. Public Safety Answering Point (PSAP) - Primary

A primary PSAP is the initial answering point responsible for taking appropriate action on a 9-1-1 call by either providing the response itself from the Emergency Response Agencies dispatched from that center or by transferring the call to a secondary PSAP for action.

r. Public Safety Answering Point (PSAP) - Secondary

A secondary PSAP responds to 9-1-1 calls transferred from a primary PSAP by dispatching those Emergency Response Agency services which it has dispatch authority. It may become the initial respondent to a 9-1-1 call in an alternate routing configuration where the primary PSAP is unable to answer the call.

s. Selective Routing

A feature of 9-1-1 whereby 9-1-1 calls are routed to a designated PSAP on the basis of the identified ANI number of the telephone which was used to place the call.

t. Subscriber

A person or business that orders access line service from a telephone company.

u. Secondary Provider

A regulated telephone company that participates in offering 9-1-1 service under an agreement with the host provider.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

3. General

a. 9-1-1 Service is restricted to one-way incoming emergency service only.

b. The Company shall not be required to provide 9-1-1 Service to less than an entire central office (switching entity). The Company does not undertake to answer and forward 9-1-1 Service calls, but furnishes the use of its facilities to enable the customer's personnel to accept such calls on the customer's designated premises.

c. 9-1-1 Service is provided solely for the benefit of the public served by the local governmental unit; the provision of such service shall not be interpreted, construed, or regarded as being of the benefit of, or creating any Company obligation toward, or any right of action on behalf of any third person or other legal entity.

d. Intercept service for any seven-digit emergency number(s) replaced by 9-1-1 Service will be provided for a period of time as negotiated between the Company and the customer; however, in no case shall intercept service be provided for more than one year or beyond the next directory issuance, whichever is longer.

e. 9-1-1 Service is limited to the use of central office telephone number 9-1-1 as the emergency telephone number. Only one 9-1-1 Service will be provided within any government agency's locality.

f. 9-1-1 calls originated from local exchange telephone network access facilities shall be completed to the appropriate PSAP without a charge being assessed to the caller by the Company. 9-1-1 calls from a pay telephone shall not require a coin to be deposited or payment of any charge.

g. A subscriber who dials 9-1-1 forfeits the privacy afforded by nonlisted and nonpublished service to the extent that the telephone number, address, and name associated with the telephone number from which a 9-1-1 call is placed are furnished to the PSAP with a 9-1- 1 call.

h. A local seven-digit telephone number for the PSAP will be published in the telephone directory for administrative purposes at no additional charge.

i. The Company will not prorate any billing among agencies of the same governmental entity jointly subscribing to 9-1-1 Service.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

3. General (Continued)

j. All nonregulated telecommunications service providers (e.g., Private Branch Exchange (PBX), Shared Tenant Service (STS), etc.) in an E9-1-1 service area should provide current lists of their subscriber's names, addresses, and telephone numbers in Citizens Communications standard format to the customer for inclusion in the E9-1-1 database.

k. Information provided by the Company as part of the provision of C9-1-1 or E9-1-1 is to be used only for the purposes of answering and dispatching 9-1-1 calls.

l. Charges for customer-initiated changes and rearrangements affecting service address and ALI database records (e.g., street name and number changes, emergency services territorial or name change, jurisdictional boundary changes and rearrangements, etc.,) other than those processed in normal daily updates will be based upon the actual costs for such changes and rearrangements. In such cases, a valid comparative listing of changes must be supplied providing direct and individual reference to existing designations.

m. Where a 9-1-1 call is placed by the calling party via interconnection with an interexchange carrier or operator service provider, the Company cannot guarantee the completion of said call, the quality of the call, or any features that may otherwise be provided with 9-1-1 Service. Because the addresses of these service providers' subscribers are not provided to the regulated telecommunications service providers, the customer must obtain them directly.

n. In Selective Routing configurations where the central office does not provide ANI due to ANI failure, garbled digits, multiparty lines, etc., Default Routing will be utilized.

4. Customer Obligation

a. When ordering a new or modifying an existing 9-1-1 system, the State of Minnesota and the unit(s) of government that operate PSAPs will contract with the Company for specific services which are to implement the approved plans of one or more counties in conformance with the provisions of Minnesota Statutes, Chapter 403 and Minnesota Rules for 9-1-1, MCAR 1215. The obligations of each of the parties will be defined in the agreement(s).

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

4. Customer Obligation (Continued)

b. The 9-1-1 Service applicant must submit to the Company written concurrence to the following terms and conditions by all participating agencies:

1) Each primary PSAP must subscribe to sufficient 9-1-1 Service lines to adequately handle incoming calls in each PSAP's average busy hour so that no more than one call out of 100 (P.01 transmission grade of service) encounters a busy signal. In other words, the 9-1-1 Service network from each central office to the central office serving the primary PSAP must provide a minimum of a P.01 transmission grade of service or two trunks, whichever is the higher standard.

Exception: In accordance with Minnesota administrative rules one trunk may be allowed from the central office to the PSAP in exchanges having fewer than 600 lines and if P.01 transmission grade of service can be maintained with only one trunk.

2) Each primary PSAP and each secondary PSAP should subscribe to at least three lines as follows because of realistic communication requirements:

a) At least one seven-digit non-emergency local exchange line with at least one listed directory number for administrative calls.

b) At least one non-listed seven-digit local exchange line for forwarding or transferring 9-1-1 calls to locations other than those connected to that PSAP by dedicated lines.

c) At least one non-listed seven-digit number to be used by other PSAP's and Emergency Response Agencies to reach the PSAP. This number must be in addition to those listed above.

3) If a Selective Router is not used each primary PSAP must subscribe to at least two dedicated lines to each secondary PSAP for the purpose of forwarding or transferring calls. The number of lines shall be no fewer than the number required to provide a P.01 transmission grade of service during that secondary PSAP's average busy hour.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

4. Customer Obligation (Continued)

c. The customer shall promptly notify the Company in the event the system is not functioning properly. In compliance with Minnesota State Rule, MCAR 1215, Subparagraph 8, the company will notify the PSAP in advance of any routine maintenance work to be performed which may affect the 9-1-1 system reliability or capacity. Any such work will be performed during PSAP off-peak hours.

d. Because the Company serving boundaries and political subdivision boundaries may not coincide, it is the obligation of the customer to make arrangements to answer and process all 9-1-1 calls that originate from telephones served by central offices in the local service area whether or not the calling telephone is situated on property within the geographical area for which the PSAP normally receives and dispatches 9-1-1 calls.

e. 9-1-1 Emergency Telephone Service information consisting of the name, address, and/or telephone number of telephone subscribers, regardless of whether or not this information is published in directories or listed in directory assistance offices, is company proprietary and the customer agrees to use such information in accordance with Minnesota Law and the Electronic Communications Privacy Act of 1986. Reverse search of the ALI database is a feature of 9-1-1 whereby equipment at a PSAP can be used to electronically retrieve address information associated with a telephone number from the ALI database for purposes of dispatching public safety services. The information furnished may not be used or disclosed by 9-1-1 system agencies, their agents, or their employees for any other purpose except under a court order. Any connecting company purchasing Citizens Communications information while acting as the host provider of 9-1- 1 service to the customer which purchases Citizens Communications services under this tariff must agree to abide by the terms and conditions which relate to the protection of Citizens Communications provided information. The customer of any connecting company purchasing Citizens Communications information shall take all reasonable efforts to safeguard the proprietary nature of Company-provided information, including but not limited to:

1) All 9-1-1 customer equipment, system software, and databases must be located in a secure area within a PSAP's office operations to prevent unauthorized access.

2) The customer shall agree to indemnify, save and hold the Company harmless from any and all claims for injury or damage of any nature by a person arising out of or relating to the customer's unauthorized use of Company-provided subscriber information.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

4. Customer Obligation (Continued)

f. The Company will provide 9-1-1 answering equipment as provided in this tariff or the customer may choose to purchase equipment for answering 9-1-1 calls. It is the responsibility of the E9-1-1 customer to provide answering equipment that is compatible with the service furnished by the Company. Upon request, the Company will furnish the E9-1-1 customer with the technical compatibility requirements for the system features to be delivered. When Company regulated equipment is provided, the Company will assume responsibility for compatibility of such equipment. The customer is responsible for all costs associated with making customer provided equipment compatible with the 9- 1-1 Service provided by the Company.

g. In the event that the customer requests to begin construction of an MSAG/ALI database prior to full application for C9-1-1 or E9-1-1 service, i.e., LLI, charges for ALI database construction and maintenance will apply and will be billed to the 9-1-1 customer after agreed upon milestones are reached.

5. Liability

a. The Company's entire liability to the customer or any person for interruption or failure of 9-1-1 service shall be limited by the terms set forth in this section, the General Regulations section of this tariff, and in any sections of other tariffs which apply to the provision of 9-1-1 service by the Company. This 9-1-1 service is offered solely to assist the customer in responding to 9-1-1 calls. By providing this service to the customer, the Company does not create any relationship or obligation, direct or indirect, to any third party other than the customer. Customers residing in South Dakota will be governed by South Dakota Statute 49-13-1, 1.1.

b. The Company shall not be liable for civil damages, whether in contract, tort or otherwise, to any person, corporation, or other entity for any loss or damage caused by any Company act or omission in the design, development, installation, maintenance, or provision of 9-1-1 service other than an act or omission constituting gross negligence or wanton or willful misconduct. However, in no event shall the Company's liability to any person, corporation, or other entity for any loss or damage exceed an amount equal to the prorated allowance of the tariff rate for the service or facilities provided to the customer for the time such interruption to service or facilities continues, after notice by the customer to the Company. No allowance shall be made if the interruption is due to the negligence or willful act of the customer. Customers residing in South Dakota will be governed by South Dakota Statute 49-13-1, 1.1.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

5. Liability (Continued)

c. The customer agrees to release, indemnify, defend and save harmless the Company from claims, suits, actions, damages, costs judgments and actions of every name and description arising out of or due to the acts or omissions of the customer, its agents and its employees while answering and dispatching 9-1-1 calls or arising out of or due to any changes by the customer, its agents and its employees to the ALI records, including LLI, updates and other data provided by the Company.

The customer agrees to indemnify and hold harmless the Company for any infringement or invasion of the right of privacy of person or persons caused or claimed by the acts or omissions of the customer and their operation or use of the E9-1-1 service.

d. The Company shall not be liable or responsible for any indirect, incidental, or consequential damages associated with the provision of the 9-1-1 service when any 9-1- 1 call originates from a system or line which makes the provision of specific location information impossible to provide for technical reasons. These technical reasons can include, but are not limited to, technical inability to provide subscriber information associated with multi-party lines, or private telecommunications services, such as PBXs or shared tenant services and calls originating over Centrex lines. Customers residing in South Dakota will be governed by South Dakota Statute 49-13-1, 1.1.

e. The Company accepts no responsibility for obtaining subscriber record information from private telecommunications systems, such as PBXs or shared tenant services, unless provided to the Company by a customer. At the rates set forth herein, the Company will integrate any records provided to it by the customer in a Company-standard format for inclusion in a 9-1-1 database. However, by doing so, the Company makes no representation or warranty regarding the accuracy of the data provided to it by a customer and shall not be liable or responsible for any indirect, incidental, or consequential damages associated with the provision of this data by the customer, which may be asserted by any person, business, government agency, or other entity against the Company. Customers residing in South Dakota will be governed by South Dakota Statute 49-13-1, 1.1.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

B. CONDITIONS (Continued)

5. Liability (Continued)

f. The Company shall not be liable or responsible for any indirect, incidental, or consequential damages associated with the provision of 9-1-1 service when there is a failure of or interruption in 9-1-1 service due to the attachment of any equipment by a customer to Company facilities. The customer may, with the prior written consent of the Company, which consent shall not be reasonably withheld, attach features, devices, or equipment or other vendors to the equipment or network facilities provided by the Company. Said attachments, devices, or equipment must meet all applicable federal and state registration or certification standards. The Company reserves the right to refuse attachments if the Company determines that said attachments will degrade the 9-1-1 system ordered by the customer, Company facilities or otherwise affect its telephone operations. Customers residing in South Dakota will be governed by South Dakota Statute 49-13-1, 1.1.

g. The Company shall not be liable for any civil damages caused by an act or omission of the Company in the good faith release of information not in the public record, including nonpublished or nonlisted subscriber information to emergency service providers responding to calls placed to a 9-1-1 service or host providers using such information to provide a 9-1-1 service. Customers residing in South Dakota will be governed by South Dakota Statute 49-13-1, 1.1.

h. The Company shall have no liability whatsoever to any person arising from its provision of, or failure to provide, 9-1-1 Service to any subscriber to a nonregulated telephone service (e.g., shared tenant service). It is the obligation of the customer to answer, respond to, transfer, terminate, dispatch, or arrange to dispatch emergency services, or otherwise handle all 9-1-1 telephone calls that originate from telephones within the customer's service area. Neither the customer nor the Company shall have any responsibility for 9-1-1 calls that carry foreign dial tone, whether they originate within or outside of the customer's service area, or for calls originating from mobile/cellular telephones. Customers residing in South Dakota will be governed by South Dakota Statute 49-13-1, 1.1.

i. The Company shall not be liable for any mistakes, omissions, interruptions, delays, errors or defects in transmission or service caused or contributed to by the negligence or willful act of any person other than the Company, or arising from the use of customer provided facilities or equipment.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION

1. B9-1-1 (Basic 9-1-1 Service)

a. B9-1-1 Service provides for routing all 9-1-1 calls originated by telephone, TDD or other calling unit with given central office prefix codes to a single PSAP which is prepared to receive those calls via a 9-1-1 Service Line.

b. Interoffice 9-1-1 service is provided via dedicated trunking. 9-1-1 service from the central office serving the PSAP is provided over dedicated lines or trunks.

c. The following rate elements apply to a typical B9-1-1 arrangement:

1) 9-1-1 Central Office Enabling - Enables the central office to recognize 9-1-1 as a valid number and connect a 9-1-1 call to a 9-1-1 (outswitching) Service Line or dedicated 9-1-1 (outswitching) trunk.

2) 9-1-1 Service Line - A business network access line connecting the PSAP and its serving central office. The business one-party and/or trunk or key line rate is applicable.

3) Interoffice Trunk - A dedicated facility between central offices (intra- or interexchange). The Interoffice Trunking Charges apply to each trunk ordered. A minimum of two trunks is required on each interoffice route (except as noted in B.4.b.3), preceding.

a) Mileage - Applicable to each trunk on a per airline mile basis.

b) Trunk Termination - Applicable to each end of each trunk terminated.

d. Additional 9-1-1 Features, as described on Sheet 59, are available with 9-1-1 Service where conditions permit.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

2. C9-1-1 (ANI-Only 9-1-1 Service)

a. The following rate elements apply to a typical C9-1-1 arrangement:

1) 9-1-1 Central Office Enabling - Enables the central office to recognize 9-1-1 as a valid number and to connect such calls to a 9-1-1 (outswitching) Service Line or dedicated 9-1-1 (outswitching) trunk. Also enables the central office to generate ANI for the caller's telephone number and provide it to the 9-1-1 Service Line or dedicated 9-1-1 trunk.

2) 9-1-1 Service Line - Same as B9-1-1 Service.

3) Interoffice Trunk

a) Mileage - Same as B9-1-1 Service.
b) Trunk Termination - Same as B9-1-1 Service.

b. C9-1-1 Service includes ANI Spill, which is the provision of the caller's telephone number to the PSAP. ANI Spill may not be provided from multi-party callers. For calls placed to a PSAP from off-premises stations and stations behind business systems, where ANI Spill is provided, it will provide the identity of the primary telephone service billing or lead number.

c. Selective Routing is available on an optional basis with C9-1-1 Service.

d. Additional 9-1-1 Features, as described on Sheet 59, are available with C9-1-1 Service where conditions permit.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

3. E9-1-1 (Enhanced 9-1-1)

a. The following rate elements apply to a typical E9-1-1 arrangement:

1) 9-1-1 Central Office Enabling - Same as C9-1-1 Service.

2) 9-1-1 Service Line - Same as C9-1-1 Service.

3) Interoffice Trunk

a) Mileage - Same as C9-1-1 Service.

b) Trunk Termination - Same as C9-1-1 Service.

4) Automatic Location Identification (ALI) Database - An E9-1-1 database that contains subscriber names, telephone numbers, addresses and Emergency Service Numbers (ESNs), and is periodically updated by the Company. A per database charge is applicable to each database and a per record charge is applicable to all records in each database. When Citizens Communications is not responsible for the system's ALI database, a per record charge will apply to all Citizens Communications records provided to the ALI database manager. The customer is responsible for the following:

a) Providing a correct set of street names with their address ranges, known as a Master Street Address Guide (MSAG), with ESNs assigned to each address range. The MSAG must include all Company and participating telecommunication service subscriber addresses and be based upon Company standards.

b) Advising the Company in a timely manner of any changes in the MSAG or ESN assignments.

b. Selective Routing is available on an optional basis with E9-1-1 Service.

c. Optional 9-1-1 Features are available with E9-1-1 Service where conditions permit.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

4. Optional Services

a. Selective Routing

1) Selective Routing Service routes calls to the correct PSAP based on the caller's ANI. The customer is responsible for the following:

a) Providing a correct set of street names with their address ranges, known as a Master Street Address Guide (MSAG), with Emergency Service Numbers (ESN) assigned to each address range. Each ESN must be assigned to a PSAP. The MSAG must include all Company and participating telecommunication service subscriber addresses and be based upon Company standards.

b) Verifying the accuracy of the call routing by participating in tests with the Company prior to service establishment, and subsequent to any ESN change, to ensure that calls from each ESN are correctly routed.

c) Advising the Company in a timely manner of any changes in the MSAG or ESN assignments.

2) The following rate elements apply to Selective Routing:

a) Database Administration - The per database charge to create and maintain the MSAG and ALI database structure.

b) Database - This is the charge on a per record basis to develop and update street ranges, list correct addresses, assign ESNs and PSAPs to each record, and transmit the ALI to the database management system that will be accessed by the caller's ANI. Database rate elements include monthly rates and nonrecurring charges for each database and for each record within each database.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

4. Optional Services (Continued)

a. Selective Routing (Continued)

2) (Continued)

c) Selective Router - This charge pays for the hardware and software that provides selective routing assignment codes to a central office for a 9-1-1 call and connects the incoming 9-1-1 trunks to the central office that will route the calls.

Trunk termination charges do not apply to the end of any interoffice trunks that terminate on a Selective Router.

d) Selective Router Interface - This pays for the component of a Selective Routing System which consists of interface cards that enable a 9-1-1 trunk or a central office to be able to communicate with the Selective Router's computer. The quantity of cards required varies directly with the quantity of trunks terminating at the Selective Routing System.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

4. Optional Services (Continued)

b. Alternate Network Routing

1) Alternate Network Routing service is offered to provide options to E9-1-1 systems in order to provide another route path from the caller to the PSAP. The choices involve establishing a path that is not in the dedicated 9-1-1 network, such as routing via the Public Switched Telephone Network or cellular telephone. The components offered in this tariff include the terminating telephone network equipment and the cellular telephone transceiver.

2) The Alternate Network Routing Service path is actuated upon a signal reporting that a dedicated 9-1-1 network path is not available to handle a call. Thus, the call may be alternate network routed upon loss of a dedicated 9-1-1 trunk, failure of an intermediate central office in the dedicated 9-1-1 network path to the PSAP, or network overload such as All Trunks Busy (ATB).

3) The Public Switched Telephone Network equipment consists of Call Dial Units (CDU) installed in a central office on the outgoing side of a 9-1-1 trunk and a Call Answer Unit (CAU) installed on the PSAP premises. When the cellular path is used, a cellular transceiver is installed at each end (i.e., at the originating central office and at the PSAP) to connect to the Call Dial/Answering Units.

4) Alternate Network Routing Service is offered with two categories of Call Dial/Answering terminal equipment:

a) Without Monitoring -- The Call Dial Unit performs the functions of receiving the 9-1-1 call from the originating switcher, storing the ANI, dialing the telephone number of the Call Answering Unit at the PSAP, handshaking with the Call Answering Unit to establish voice connection, and sending the caller's ANI to the Call Answering Unit. The Call Answering Unit will have an output connection that may be connected to the PSAP's E9-1-1 customer premises equipment so that the ANI may be provided to answering attendant's console and be used to retrieve the associated ALI.

b) With Monitoring -- Similar functions and terminal equipment are provided as in subparagraph a. above, but with the addition of sensors to monitor the outgoing trunk to detect signaling problems. Upon detecting a problem, it will seize control of the 9-1-1 call and establish an alternate path, over the Public Switched Network or a cellular network, to complete delivery.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

4. Optional Services (Continued)

b. Alternate Network Routing (Continued)

5) Description of Rate Elements

a) Call Dial Unit (CDU) - Equipment installed in a central office that will be actuated by the switch upon failure of 9-1-1 trunk to complete a call. Upon being actuated, the Unit will receive the 9-1-1 call and ANI, store the ANI, and dial the telephone number of its corresponding Call Answer Unit (CAU) over the telecommunications path that has previously been programmed. The path may be the Public Switched Telephone Network (PSTN) or a cellular telephone.

b) Call Answer Unit (CAU) - Equipment installed at a PSAP that will accept calls from a Call Dial Unit, including the ANI of the 9-1-1 callers and pass that voice and ANI to the E9-1-1 system's customer premises equipment.

c) Line Switch & 4/2-Wire Converter Card. Available only when the "with monitoring" feature is chosen. It provides two output ports from the CDU, one to divert calls to the PSTN, the other to divert calls to a cellular network. This card will also convert an incoming 4-wire E&M trunk to a 2-wire ground start line circuit (GSLC).

d) Cellular Transceiver. A cellular telephone transceiver that will interface one loop start or ground start telephone line to the cellular network. The transceivers are available in one- or four-channel models and are installed with a 3-dB gain antenna. To establish cellular connection, one unit is installed at the originating central office, connected to one through four CDUs, and the second unit is installed at the PSAP, connected to one through four CAUs. The number of pairs of CDUs and CAUs will match the number of channels established with the cellular telephone transceivers.

e) 9 dB Gain Antenna. A cellular radio antenna to be used with a cellular telephone transceiver in those locations where the standard 3 dB antenna does not offer sufficient gain to establish acceptable signal reception.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

4. Optional Services (Continued)

b. Alternate Network Routing (Continued)

6) Application of System Components

a) Alternate Network Routing Without Monitoring

The components required include:

1) A Call Dial Unit
2) A Call Answer Unit
3) Business Line for the CDU
4) Incoming Business Line for the CAU

b) Alternate Network Routing with Monitoring.

The components required include.

1) A Call Dial Unit with Monitoring Capability
2) A Call Answer Unit with Monitoring Capability
3) Business Line for the CDU
4) Incoming business Line for the CAU

c) The additional components required may include:

1) A pair of one- or four-channel cellular transceivers
2) Cellular license for each channel
3) Optional 9 dB Gain Antenna

7) Customer Obligation

a) The 9-1-1 Customer will subscribe to a business access line for each outgoing CDU circuit and an incoming business access line to each CAU, and will be responsible for all normal subscriber access line charges and toll calls billed to those circuits.

b) Where the 9-1-1 Customer selects to establish a cellular telephone circuit as the alternate network routing path, the 9-1-1 Customer will obtain the cellular telephone number and pay for all charges related to its use.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

4. Optional Services (Continued)

c. Distribution Machine for the Address and Routing Control System (DMARCS)

1. DMARCS Service - DMARCS is a computer service established between the Company's proprietary, internal database computers and non-regulated providers of PSAP ALI controller services that are approved as part of an E9-1-1 system in the State of Minnesota. It provides a secure buffer to which Customers with non-regulated providers of PSAP ALI controllers may dial into and download the ALI, including cyclical updates, for their system. The ALI is available in National Emergency Number Association (NENA) standard format.

2. Requirement Criteria - Regarding ALI, the Company has obligations to meet the requirements of the Electronic Communications Privacy Act of 1986 (18 USC 2703), to take prudent action to protect the expectations of its subscribers' rights to privacy, and to protect its proprietary ALI database. When the Company or another regulated telecommunications service provides the ALI controller services to a PSAP, those requirements are met by the direct control that the Company or that other regulated vendor retains over the ALI software and therefore over the ALI database. However, when a non-regulated vendor of CPE provides the PSAP ALI controller equipment, DMARCS is required as a replacement step in the ALI provisioning process to protect the Company. In downloading ALI to a premises- based computer, this replaces direct dialing to the Company's internal database system with direct dialing to a protected database system.

3. Purchase eligibility - An E9-1-1 Customer with a non-regulated provider of PSAP ALI controller services may subscribe to DMARCS to obtain the Company's ALI. The ALI available from DMARCS is that for which the Company has a contract with that Customer to provide.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

4. Optional Services (Continued)

c. Distribution Machine for the Address and Routing Control System (DMARCS) (Continued)

4. Customer Obligations - Because the Company will be trusting the Customer to the protection of its proprietary database, the Customer is required to meet the following obligations:

a) The computer, which will hold the ALI database, must be maintained in a physically secure area, accessible only to authorized personnel.

b) The E9-1-1 software must:

1) Be capable of being accessed only by individual password.

2) Allow access to the ALI to retrieve a record only in response to a 9-1-1 call. Manual retrievals are allowed in cases of where ANI is not received.

3) Be capable of using a modem to dial into the Company's DMARCS computer and downloading record information.

c) The Customer must assign a person to be responsible for:

1) Managing the Customer's obligations in operating the Customer's E9-1-1 System to work with the Company in downloading ALI via DMARCS and loading it in the Customer' ALI database.

2) Educating all personnel who are or will be authorized to access or operate the E9-1-1 System's PSAP equipment to be informed of the proprietary nature of the ALI database and their obligations to prevent unauthorized disclosure.

SPECIALIZED SERVICES

EMERGENCY TELEPHONE SERVICE (9-1-1)

C. DESCRIPTION (Continued)

5. Additional Services

a. Additional 9-1-1 Features

1) A package of additional central office features is available where Selective Routing is not used. The following features are available only where operating conditions permit:

a) Forced Disconnect - Enables the PSAP attendant to release a connection on a 9-1-1 call even if the calling party remains off-hook.

b) Called Party Hold - Enables the PSAP attendant to hold a 9-1-1 connection even if the calling party hangs up.

c) Emergency Ringback - Allows a PSAP attendant to ring back the caller's line.

2) Additional 9-1-1 Features are available only when there is direct trunking from the originating central office to the PSAP and when the PSAP CPE has the appropriate signaling capability.

LINE EXTENSION CHARGES

INDEX

| | | **SHEET NO.** |
|---|---|---|
| 8.1 | Line Extension Charge | 1 |
| 8.1.1 | Applicability | 1 |
| 8.1.2 | Construction Allowance | 1 |
| 8.1.3 | Line Extension Charges | 2 |

LINE EXTENSION CHARGES

8.1 Line Extension Charge

8.1.1 Applicability

This section applies to requests for residential local exchange service in locations within the Company's service area where company facilities currently do not exist, such that a line extension is required. The Company will determine the location and type of plant facilities required to provide the service unless other arrangements have been agreed upon.

8.1.2 Construction Allowance

Upon receipt of a customer request for residential local service that requires a line extension, the Company will calculate a Construction Allowance (CA) equal to the revenue that the line extension may reasonably be expected to generate (taking into account demand, expected per household revenue and average time a residential household retains service at a location). The CA will be applied to offset the total line extension costs in determining the charges for which the applicant is responsible.

The CA will be based on the following factors:

Average residential monthly per-household billing amount (AMB), calculated on a statewide basis, including the subscriber line charge and all regulated and unregulated Company services and features billed by the Company or billed on behalf of the Company. The AMB does not include taxes or other fees that are not retained by the Company, such as TAP/TAM/911 charges.

The number of households that the line extension is estimated to serve. (H)

Average residential service location life in months, calculated on a statewide basis. (LL)

The CA will be calculated as follows: AMB X H X LL = CA. The CA is capped at the total incremental cost.

LINE EXTENSION CHARGES

8.1 Line Extension Charge (cont'd)

8.1.3 Line Extension Charges

A. Line extension charges may be assessed for the incremental costs1 of a line extension that exceed the Construction Allowance (CA).

B. Incremental Line extension costs include placement of facilities, engineering costs, labor and material costs, and costs of securing right-of-way. Facilities include the distribution cable and feeder cable.

C. A service drop wire measuring not more than 250 feet will be provided without construction charge to each customer that will be served by the line extension. To the extent that a requested service drop exceeds 250 feet, facilities charges may apply, and will be the responsibility of the applicant requesting the service

D. The Company will provide each applicant with a preliminary sketch, a detailed estimate of the total incremental construction costs associated with the requested line extension, and a line extension charge estimate that details the incremental costs above the construction allowance (CA) for which the applicant is responsible.

E. The Company may require all customers receiving the benefit of the CA to agree to retain the Company's service for a three-year term. If a customer discontinues service prior to the three-year period, the customer will be responsible for reimbursing the Company for a portion of the unrecovered CA. The payable amount will be calculated by multiplying the AMB by the number of months remaining in the term.

[1] Incremental costs are defined as those additional costs that will be incurred if the line extension is made.

LINE EXTENSION CHARGES

8.1 Line Extension Charge (cont'd)

8.1.3 Line Extension Charges (cont'd)

F. The Line Extension Charge payment is due prior to the commencement of construction. Alternatively, if agreed to by both the Company and the customer, alternative payment arrangements may be established. To the extent that, prior to the completion of the line extension, or within twelve months after completion, customers in addition to those included in the original design make application for service which can be accommodated with no additional construction cost in distribution or feeder cable, the Line Extension Charge will be divided among all customers served by the line extension, and Line Extension Charge payments already made will be trued up through refunds or revised payment arrangements when appropriate.

# TARIFF NO. 3

# FLEXIBLY PRICED SERVICES

# APPLYING TO

# CITIZENS TELECOMMUNICATIONS COMPANY OF MINNESOTA LLC*

# DBA
# FRONTIER CITIZENS COMMUNICATIONS OF MINNESOTA

Within The

State of Minnesota

Applying to All Exchanges

* All references in this tariff to Citizens Telecommunications Company of Minnesota, Inc. should be understood as references to Citizens Telecommunications Company of Minnesota LLC.

CONSTRUCTION REGULATIONS
CONSTRUCTION, INSTALLATION AND MAINTENANCE CHARGES

INDEX


| | Sheet Number |
|---|---|
| Construction Charges, Special | 1 |
| Service Drops | 1 |

CONSTRUCTION REGULATIONS
CONSTRUCTION, INSTALLATION AND MAINTENANCE CHARGES (T)

A. CONSTRUCTION CHARGES, SPECIAL

1. Special construction, based on cost in the form of installation charges, monthly charges, or both, may be applied in addition to the usual service connection charges and monthly rates when, because of unusual investment or expense, the revenue does not reasonably compensate the Company i.e. (1) when facilities are provided beyond the standard allowance, (2) when conditions require the provision of special equipment or unusual plant construction, installation or maintenance, or (3) when the customer's location requires annual payment for licenses or agreement for the use of Public or Private land.

2. Except as specified, title to all construction provided wholly or partly at a customer's expense is vested in the Company.

3. The cost to the Company for attachments to structures of other companies, made in lieu of providing construction for which the customer would be charged under the provisions hereof, is borne by the customer. The customer is required to pay construction charges made by another company providing facilities connecting with the facilities of the Company.

B. SERVICE DROPS

1. Facilities Provided of Type Determined by Telephone Company

Service Drops are provided either by aerial facilities - on poles of the Telephone Company or of other companies - or by underground facilities (buried), and, except as covered in 2. below, the type of facilities used is determined by the Telephone Company from the conditions involved. For facilities of the type so determined, the following treatment applies:

a. A Service Drop measuring not more than 250 feet is provided without construction charge. For the measured distance in excess of the 250 foot allowance, a facility charge may apply as described elsewhere in the Company's tariffs.

b. The measurement is the airline distance from the center of the highway paralleling the general distribution plant (located on or off the highway) to the terminal or drop at the customer's building, or the airline distance from the distribution plant to that terminal, whichever is shorter.

(T)

CONSTRUCTION REGULATIONS
CONSTRUCTION, INSTALLATION AND MAINTENANCE CHARGES

B. SERVICE DROPS (cont'd) (T)

2. Facilities Provided of Different Type Than 1 Above

When from the conditions involved the Telephone Company determines that an aerial Service Drop should be provided and in lieu thereof the applicant desires underground or buried facilities, or when aerial facilities are used to provide service or channels to a customer and subsequently the customer requests that such facilities be placed underground, the following applies:

a. Where cable is laid in conduit, the underground conduit shall be constructed and maintained by or at the expense of the customer and, in addition, the customer may pay the cost of the underground cable - including the cost of installing it - less the estimated cost to the Telephone Company of installing such aerial facilities (not in excess of the 250 foot allowance specified in C.1.a.) as would be (or is) required to furnish the same service. The underground conduit shall be constructed in accordance with plans and specifications furnished by the Telephone Company; ownership of the conduit is retained by the customer.

The duct or ducts required in the underground conduit by the Telephone Company to furnish service shall be reserved for its exclusive use. (T)

RESERVED FOR FUTURE USE

(D)

(D)

RESERVED FOR FUTURE USE

(D)

(D)

RESERVED FOR FUTURE USE

(D)

(D)

RESERVED FOR FUTURE USE

(D)

(D)

RESERVED FOR FUTURE USE

(D)

(D)

GENERAL SERVICES

INDEX


| Subject | Sheet Number | |
|---|---|---|
| Call Transfer Service | 31 | |
| Custom Calling Services | 1 | |
| Directory Assistance Service | 20 | |
| National Directory Assistance Service | 20.1 | |
| National Directory Assistance Call Completion (NDACC) | 21 | |
| Directory Listings | 23 | |
| Enterprise/Zenith Service (Refer to Special Reverse Charge Toll Service) | 26 | |
| Home Intercom Service | 28 | |
| Selective Class of Call Screening | 29 | |
| Special Billing Number Service | 27 | |
| Special Reverse Charge Toll Service | 30 | |
| Duplicate Bill Charge | 32 | (N) |

GENERAL SERVICES

CUSTOM CALLING SERVICES

A. GENERAL

1. Custom Calling Services consist of one or more of the following services which provide special kinds of customer controlled or prearranged and fixed communications services on individual access lines. Custom Calling Services are available only through central offices, which, at the Company's option, are appropriately equipped. Operating specifics may vary by central office equipment type.

   a. Services are provided in conjunction with individual line residence and business services and some multiline services. Party line customers, PBX customers, coin line telephone services are excluded from Custom Calling Services. However, the following services are also provided to Digital Centrex customers at monthly rates listed under C. Rates: Anonymous Call Block, Busy Number Redial (*66), Call Return (*69), Selective Call Rejection, Call Tracing, Caller ID - Number, Caller ID, Selective Blocking - Per Call, Complete Blocking - Per Line, Selective Call Acceptance, Selective Call Forwarding, Priority Call and Last Number Redial. (T) (T)

   b. The Company does not assure the delivery or non-delivery of calling numbers or the accuracy or completeness in the name, number or other information delivered to the customer in conjunction with Caller ID, Last Number Redial services and other similar services identified in this tariff. Some calls may not display name and/or number information and/or Last Number Redial may not be available for some calls, including but not limited to, those calls from callers who block their information, calls from or routed through certain Company and/or third party equipment or networks, and calls from certain types of customer provided equipment. The Company is not liable to the customer or any party for any error, omission, incomplete call or mistake associated with Caller ID, Last Number Redial or other similar services identified in this tariff.

GENERAL SERVICES

CUSTOM CALLING SERVICES

B. SERVICE DESCRIPTIONS

1. Anonymous Call Block - Allows subscribers of this service to block calls from a person that is using the Selective or Complete Blocking service (which prevents the display of the caller's telephone number to Caller ID customers). The person calling, whose identification is blocked, will receive a message to hang up and call back with the calling number unblocked. Anonymous Call Block is required to be provided to all Caller ID customers in a deactivated state.

2. Busy Number Redial (*66) - An arrangement which permits the customer to redial automatically the last number dialed. If the called line is found to be busy, a 30-minute queuing process begins. The customer is then given an indication that the network will attempt to set up the call when the called line is idle. The network periodically tests the busy/idle status of the called line until both lines are found idle, the customer cancels the request, or the queuing process expires. If both lines are found to be idle, the calling party is alerted with a distinctive ring signifying that the call can now be completed. (T)

3. Call Return (*69) - Allows a customer to automatically return the last incoming call whether it is answered or not. If the incoming calling number is not blocked, the subscriber will be able to review the incoming number. Automatic Call Return will not work on blocked calls. Upon activation of the service, the number of the most recent party who called is dialed automatically. If the called line is found to be busy, a 30- minute queuing process begins. The customer is given an indication that the network will attempt to set up the call when the called line is idle. The network periodically tests the busy/idle status of both parties until both lines are found idle, the customer cancels the request, or the queuing process expires. If both lines are found to be idle, the calling party is alerted with a distinctive ring signifying that the call may now be completed. (T)

GENERAL SERVICES

CUSTOM CALLING SERVICES

B. SERVICE DESCRIPTIONS (Continued)

4. Selective Call Rejection - (Not to be confused with "per call blocking.") Allows a customer to block incoming calls from a maximum of 12 telephone numbers. The customer also can block incoming calls placed from the last calling number even if the number is unknown to the customer. Blocked calls are routed to a recorded announcement, which specifies that the called party is not accepting calls. (T)

5. Call Forwarding* - Permits the customer to have all incoming calls to his telephone number automatically transferred to another dialable telephone number, while this service is activated. Where a message toll charge is applicable to a call between the customer's station and the telephone number to which calls are to be forwarded, such charge will be billed to the Call Forwarding customer. Call Forwarding is not offered in connection with Call Forwarding Busy Line or No Answer services. For business customers, refer to this Section

6. Call Forwarding Busy Line (Fixed)* - This service, permanently activated, provides customers the ability to redirect incoming calls to their home or business to the customer's preselected Automatic Access line number, Digital Centrex line number, or other line number of the customer at another location on a different premises when such incoming calls encounter a normal busy line condition. Calls forwarded beyond the local (toll free) calling area will be charged to the call forwarding customer, at the dial station-to-station rate, on every call answered at the "forwarded to" number.

7. Call Forwarding No Answer (Fixed)* - This service, permanently activated, provides customers the ability to redirect incoming calls to their home or business to the customer's preselected Automatic Access line number, Digital Centrex line number, or other line number of the customer at another location on a different premises when such incoming calls encounter a no answer condition after a specific number of rings, such number of rings to be specified when this service is ordered. Calls forwarded beyond the local (toll free) calling area will be charged to the call forwarding customer, at the dial station-to-station rate, on every call answered at the "forwarded to" number.

8. Call Forwarding Busy Line/No Answer (Fixed)* - This service, permanently activated, provides customers the ability to redirect incoming calls to their home or business to the customer's preselected Automatic Access line number, Digital Centrex line number or other line number of the customer at another location on a different premise when such incoming calls encounter either a normal busy line condition or a no answer condition. Calls forwarded beyond the local (toll free) calling area will be charged to the call forwarding customer, at the dial station-to- station rate, on every call answered at the "forwarded to" number.

* The grade of transmission on calls forwarded and three-way calling may vary upon the distance and routing required to complete such calls; therefore, the normal grade of transmission cannot be guaranteed on such calls.

GENERAL SERVICES

CUSTOM CALLING SERVICES

B. SERVICE DESCRIPTIONS (Continued)

9. Priority Call - allows a customer to program up to twelve (12) telephone numbers of selected callers enabling the customer to distinguish certain incoming calls from all others by a distinctive ring tone. If a customer also subscribes to Call Waiting, calls from the selected numbers will be distinguished by a special Call Waiting tone. (D) (N) (N) (D)

10. Call Waiting/Cancel Call Waiting - Provides a tone signal to indicate to the customer who is using a line equipped with Call Waiting that another party is calling him. The customer may elect to either hold or terminate the call with the first party in order to answer the incoming call. If the connection with the first party is placed on hold, private conversations can be carried on with each of the two parties on an alternate basis. Call Waiting is not offered in connection with Call Forwarding Busy Line or No Answer or rotary (trunk hunting) services. For business customers, refer to this section. Cancel Call Waiting permits the customer with Call Waiting to inhibit the operation of call waiting for one call. Call Waiting is automatically restored to the customer's line upon a disconnect.

11. (D) (D)

GENERAL SERVICES

CUSTOM CALLING SERVICES

B. SERVICE DESCRIPTIONS (Continued)

12. Calling Identification Services

a. Caller ID – Number* is an arrangement which permits a customer with local exchange service, other than foreign central office service, to be immediately apprised of the calling telephone number of a call placed to the customer. (N)

At the time the incoming call is placed, the calling telephone number is forwarded from the terminating central office to compatible customer provided display equipment associated with the customer's local exchange service. The calling telephone number is then delivered to the display device during the first silent interval of ringing.

b. Caller ID - is an arrangement that permits a customer to receive the name, as well as the telephone number, associated with the calling party for calls placed to the customer. The Caller - ID service will forward the calling name and number information from the appropriately equipped central office to a customer provided display device. The Company will forward all non-blocked names and telephone numbers subject to technical limitations. (T)

If the calling telephone number and name are not available for forwarding to the called party, a message indicating unavailability will be forwarded. The calling party can prevent the Caller ID - Name and Number customer from seeing the calling name and telephone number display by activating Selective Blocking - Per Call. Complete Blocking - Per Line also functions the same as described in this section of the tariff.

c. Customers subscribing to Calling Identification Services will be responsible for the provision of compatible display equipment. The Company assumes no liability for any incompatibility of the customer provided display equipment.

Calling Identification Service information may not be sold or given to another party without the caller's consent. Calling Identification Service customers failing to comply with any of these conditions will have their service terminated.

Customers subscribing to Calling Identification Services information will automatically be provided with Anonymous Call Block.

* This service is limited to all existing customers at existing locations. (N)

GENERAL SERVICES

CUSTOM CALLING SERVICES

B. SERVICE DESCRIPTIONS (Continued)

13. Camp-On/Busy Number Redial* - Permits the customer to dial a camp-on code when a busy station is reached. The call is retried automatically through the central office until both parties are available. A special tone alerts the customer that a successful camp-on has been activated. When the customer answers, the called party's line is rung, and the two parties are connected in a normal two-way call. Only busy calls within the central office are retried automatically. (N)

14. Selective Blocking - Per Call - Allows customers, in areas where Calling Number Identification is available, to inhibit the delivery of their telephone number to an identification device, by activating blocking immediately prior to a call.

15. Complete Blocking - Per Line - Allows a single-line residential customer to make all calls with the delivery of his/her calling number identification (CNID) marked as "private" to the people he/she is calling. If the preassigned per call unblocking code is dialed on the line, the calling number will be delivered on the next call placed. Complete Blocking - Per Line is available to residential customers upon their request without demonstration or certification of need.

    This service is also available to the following types of business customers that are exempt from having to demonstrate a need for this service: law enforcement agencies, established shelters of domestic violence intervention agencies, state and county departments of human resource shelters and other such agencies, their employees and volunteers, or individuals where it is certified that the personal safety of these employees or individuals will be jeopardized without per line blocking.

    All other business customers who demonstrate a need may also subscribe to this service. Business customers not satisfied with the Company's decision on line blocking may appeal in writing to the Public Utilities Commission.

16. Last Number/Save Number Redial* - Permits the customer to dial a code which initiates the switch to automatically place a call to the last called number stored. Each time a customer dials, the most recent number is stored. Save Number Redial allows the customer to store the called number by dialing a code at any point during a call, or upon encountering a busy or no answer condition when placing a call. The customer may place and receive any number of calls in the normal manner after a number is stored. A customer wishing to reinitiate a call to the party whose number was stored dials a code and the call is placed automatically. (N)

* This service is limited to all existing customers at existing locations. (N)

GENERAL SERVICES

CUSTOM CALLING SERVICES

B. SERVICE DESCRIPTIONS (Continued)

17. Remote Call Forwarding (RCF) - Is a service whereby a call placed from a station (the originating station) to a customer's (the RCF customer) telephone number (the call forwarding location) is automatically forwarded by Company Central Office equipment to another station designated by the RCF customer (the Terminating station). The RCF customer does not have any premises service associated with the RCF number. Terminating stations must have incoming call capability.

    a. Regulations

        1) Remote Call Forwarding service is offered subject to availability of suitable facilities and provided no unusual expense is involved.

        2) Remote Call Forwarding service is not offered where the terminating station is a coin telephone.

        3) The Company will not provide identification of the originating telephone number to the Remote Call Forwarding customer.

        4) Transmission characteristics may vary depending on the distance and routing necessary to complete the remotely forwarded call.

        5) Remote Call Forwarding is not represented as suitable for satisfactory transmission of data.

        6) Remote Call Forwarding is available between the call forwarding location and another station within the same exchange or in another exchange and may be used in conjunction with EAS, Long Distance Telecommunications Service and Interstate or Intrastate Inward WATS lines. The RCF customer is responsible for payment of any charges for calls forwarded from his RCF telephone number. Remote Call Forwarding is programmed in the Company's central office. The calls will be forwarded to any number the customer specifies.

        7) Remote Call Forwarding is provided on the condition that the customer subscribe to sufficient RCF services and facilities to adequately handle calls to the RCF customer without interfering with or impairing any services offered by the Company.

        8) One listing without charge, covering the exchange in which the call forwarding Central Office is located, is provided. Additional directory listings may be obtained under Tariff rates; refer to Section 5 of this Tariff.

GENERAL SERVICES

CUSTOM CALLING SERVICES

B. SERVICE DESCRIPTIONS (Continued)

17. Remote Call Forwarding (RCF) (Continued)

a. Regulations (Continued)

9) The message charges applicable to remotely forwarded calls shall be comprised of two separate charges; (1) a charge for that portion of the call from the originating station to the call forwarding location and (2) a charge for that portion of the call from the call forwarding location to the terminating station. The respective charge for each portion shall be as follows:

Between the originating station and call forwarding location. The charge for this portion of a remotely forwarded call shall be the charge specified in this Tariff, or any other applicable Tariff, for the type of call involved.

Between the call forwarding location and the Terminating station. The Remote Call Forwarding customer is responsible for the applicable customer-dialed station-to-station charges or WATS charges specified in interstate, intrastate/intralata, or intrastate/interlata Long Distance Message Telecommunications Service Tariffs and Wide Area Telecommunications Service Tariffs. The aforementioned charges apply to all calls answered at the terminating station, including person-to-person and collect calls, even though such calls might not be accepted at the answering location.

18. Distinctive Ring - Allows separate ringing to be applied to an individual line, where each of two numbers, a main number and a Distinctive Ring number, will have a uniquely distinctive ring for customer identification. Because two telephone numbers are associated with one telephone line, only one conversation can be conducted at a time.

Regulations for directory listings set forth elsewhere in this Tariff will apply for the main number. The customer is entitled to one free listing in the alphabetical section of the telephone directory for the Distinctive Ring number, regardless of the class of service.

GENERAL SERVICES

CUSTOM CALLING SERVICES

B. SERVICE DESCRIPTIONS (Continued)

19. Selective Call Acceptance - Allows a customer to select (maximum of 12) customer telephone numbers from which calls are to be received. All other calls are intercepted and routed to a recorded announcement that informs the caller the customer is not accepting calls. Calls from numbers outside the specified exchanges will ring normally. (T)

20. Selective Call Forwarding - An arrangement which permits a customer to prespecify telephone numbers (maximum of 12) from which incoming calls are to be forwarded. During the period that Selective Call Forwarding is activated, only calls from the prespecified numbers will be forwarded. (T)

21. Speed Calling - Permits the customer to call a preset telephone number by keying an abbreviated one- or two-digit code rather than the entire seven- or ten-digit telephone number. Speed Calling-8 provides one-digit codes for up to eight telephone numbers. Speed Calling-30 provides two-digit codes for up to thirty telephone numbers. The speed-calling list is established and maintained by the customer. In the event of an interruption in Speed Calling Service, the customer is responsible for reestablishing the Speed Calling list.

22. Three-Way Calling* - Permits the customer to add a third party to an established two-party connection without the assistance of an operator. Message Toll Charges, when appropriate, will apply to sent-paid messages originated from a line equipped with three-way calling. For business customers, refer to this Section.

23. Priority Call - Allows a customer to program up to twelve (12) telephone numbers of selected callers enabling the customer to distinguish certain incoming calls from all others by a distinctive ring tone. If a customer also subscribes to Call Waiting, calls from the selected numbers will be distinguished by a special Call Waiting tone. (T)

24. Multiple Simultaneous Call Forward - This feature provides a business customer with the capability to specify the number of calling paths that will be forwarded from one subscriber line to another telephone number. The feature is offered where facilities permit and at no time will this service take precedent over the requirement for these facilities to provide a customer with telephone service. Multiple Simultaneous Call Forward is restricted to voice use only. The feature is available only as an enhancement to one or more of the following features: Call Forwarding, Call Forwarding Busy and Call Forward No answer. Multiple Simultaneous Call Forward is limited to ten (10) call forwarding paths per telephone number. It can be used with any of the following services: B1, PBX, Centrex and ISDN BRI. (N) (N)

* The grade of transmission on calls forwarded and three-way calling may vary upon the distance and routing required to complete such calls; therefore, the normal grade of transmission cannot be guaranteed on such calls.

GENERAL SERVICES

CUSTOM CALLING SERVICES

C. RATES

1. Service Charges/Waiver of Charges

   a. Service Charges are not applicable to the provision of Custom Calling Service services other than the exceptions specified in Section 6.

   b. During specific time periods throughout the year, the Company may offer special promotions in various exchanges equipped to provide calling services. The Company will notify the Commission in advance of these promotions.

2. Satisfaction Guarantee

   If at any time the customer notifies the Company he is not satisfied with the service(s) and wishes to discontinue the services(s), the customer will be entitled to a full refund of one (1) month's monthly recurring charge (MRC), or portion thereof if subscription is less than 30 days. The service(s) for which the credit is being issued will be discontinued from the customer's line. This refund will be applied as a credit on the customer's bill. Each customer will be entitled to the credit one time per service.

GENERAL SERVICES

CUSTOM CALLING SERVICES

C. RATES (Continued)

3. The following rates apply in addition to any other rates and charges applicable to associated individual central office access lines.

| | | Monthly Rate Bus. | Monthly Rate Res. | |
|---|---|---|---|---|
| a. | Anonymous Call Block (1) (2) | $3.50 | $4.00 | (01/30/2023) |
| b. | Busy Number Redial (*66) (2) | 6.99 | 6.50 | |
| | Busy Number Redial (*66), per Activation (3) | 3.00 | 3.00 | |
| c. | Call Return (*69) (2) | 6.99 | 6.50 | |
| | Call Return (*69), per Activation (3) | 3.00 | 3.00 | |
| d. | Selective Call Rejection (2) | 6.50 | 6.50 | |
| e. | Call Forwarding | 6.50 | 8.00 | (01/30/2023) |
| f. | Call Forwarding Busy Line (Fixed) | 5.75 | 8.00 | (01/30/2023) |
| g. | Call Forwarding No Answer (Fixed) | 5.75 | 8.00 | (01/30/2023) |
| h. | Call Forwarding Busy Line/ No Answer (Fixed) | 5.75 | 8.00 | (01/30/2023) |
| i. | Priority Call | 6.50 | 5.00 | |

(1) Anonymous Call Block is provided automatically to all customers with Calling Number Identification.
(2) This service is available to Digital Centrex Service subscribers.
(3) The total monthly per use charges for each service are capped at $15.00 (res) and $15.00 (bus).

GENERAL SERVICES

CUSTOM CALLING SERVICES

C. RATES (Continued)

3. The following rates apply in addition to any other rates and charges applicable to associated individual central office access lines. (Continued)

| | | Monthly Rate Bus. | Res. | |
|---|---|---|---|---|
| j. | Call Waiting/Cancel Call Waiting ID (4) | $21.50 | $8.00 | (02/25/2025) |
| l. | Caller ID - Number (1) (2) | 23.75 | 10.50 | (02/25/2025) |
| m. | Caller ID (5) | 28.00 | 12.00 | (02/25/2025) |
| n. | Camp-On/Busy Number Redial (2) | 4.00 | 4.00 | |
| o. | Selective Blocking - Per Call or Complete Blocking Per Line (4)(5) | 0.00 | 0.00 (1) | |

(1) Anonymous Call Block is provided automatically to all customers with Calling Number Identification.
(2) This service is available to Digital Centrex Service subscribers.

(4) Cancel Call Waiting is an implicit service within the Call Waiting offering.
(5) Anonymous Call Block is required to be provided to all customers subscribing to Calling Identification Services.

GENERAL SERVICES

CUSTOM CALLING SERVICES

C. RATES (Continued)

3. The following rates apply in addition to any other rates and charges applicable to associated individual central office access lines. (Continued)

| | | Monthly Rate Bus. | Res. | |
|---|---|---|---|---|
| p. | Last Number/Save Number Redial (2) | $4.00 | $4.00 | |
| q. | Remote Call Forwarding | | | |
| 1) | First access path (3) (4) | 32.00 | 23.99 | (09/27/2024) |
| 2) | Additional access paths (3) (4) | 32.00 | 23.99 | (09/27/2024) |
| r. | Distinctive Ring | 6.95 | 6.99 | |
| 1) | Distinctive Ring with any PAK (2) | 3.00 | 3.00 | |
| s. | Selective Call Acceptance (5) | 6.50 | 6.50 | |
| t. | Selective Call Forwarding (5) | 6.50 | 7.00 | (01/30/2023) |

(1) Refer to Service Charges, Section 6.
(2) This service is limited to all existing customers at existing locations.
(3) Minimum charge 6 months service.
(4) Regular Service Charges apply except on outside moves of customer's other service if there is no telephone number change.
(5) This service is available to Digital Centrex Service subscribers.
(6) Anonymous Call Block is required to be provided to all customers subscribing to Calling Identification Services.

GENERAL SERVICES

CUSTOM CALLING SERVICES

C. RATES (Continued)

3. The following rates apply in addition to any other rates and charges applicable to associated individual central office access lines. (Continued)

| | | Monthly Rate Bus. | Monthly Rate Res. | |
|---|---|---|---|---|
| u. | Speed Call | | | |
| | 1) Capacity of 8 pre-selected numbers (1) | $ 4.95 | $ 6.50 | |
| | 2) Capacity of 30 pre-selected numbers | 6.50 | 6.50 | |
| v. | Three-way Calling<br>Text Deleted (03/20/2020) | 6.00 | 8.00 | (01/30/2023) |
| vv. | Multiple Simultaneous Call Forward (Business Only) | $11.00 | | |
| x. | Custom Calling Prime Package, (1)<br>(Call Waiting, Three-Way Calling,<br>Speed Calling-8, Call Forwarding) | 5.50 | 4.50 | |
| y. | Custom Calling Premium Package, (1)<br>(Call Waiting, Three-Way Calling,<br>Speed Calling-8, Call Forwarding,<br>Camp-On/Busy Number Redial,<br>Last Number/Save Number Redial) | 7.50 | 6.50 | |
| z. | CUSTOM PAK-ENHANCED (1)<br>(Call Waiting, Automatic Call Return,<br>Automatic Busy Redial and Call Block) | -- | 8.75 | |
| aa. | CUSTOM PAK-VIP (1)<br>(Call Waiting, Call Forwarding, Three-<br>Way Calling, Speed Calling-8, Auto-<br>matic Busy Redial, Call Block and | -- | 13.25 | |

(1) This service package is limited to existing customers at their existing location.
(2) This service is available to Digital Centrex Service subscribers.
(3) The total monthly per use charges for each service are capped at $15.00 (res) and $15.00 (bus).

GENERAL SERVICES

CUSTOM CALLING SERVICES

C. RATES (Continued)

3. The following rates apply in addition to any other rates and charges applicable to associated individual central office access lines. (Continued)

| | | Monthly Rate Bus. | Res. | |
|---|---|---|---|---|
| bb. | Frontier Feature5 Packsm* | $11.95 | -- | (N) |

1) Caller ID – Name and Number

2) Choice of one of the following:
   a) Call Forwarding
   b) Call Forwarding Busy Line (Fixed)
   c) Call Forwarding No Answer (Fixed)
   d) Call Forwarding Busy Line/No Answer (Fixed)

3) Choice of three of the following:
   a) Call Waiting
   b) Automatic Busy Redial
   c) Automatic Call Return
   d) Three-Way Calling
   e) Speed Call—Capacity of 8 pre-selected numbers

4) Frontier Feature5 Pack is a service mark of Citizens Communications Company

* This service package is limited to existing customers at their existing location. (N)

GENERAL SERVICES

CUSTOM CALLING SERVICES

(D)

Reserved for Future Use

(D)

GENERAL SERVICES

CUSTOM CALLING SERVICES

C. RATES (Continued)

5. Choice Pac - Business

a) This service offers a discount of 30% (thirty percent) off the rates as specified in C.3. preceding to single line business customers who subscribe to individual Custom Calling Services. This discount applies only when the customer subscribes to three or more of the following services:

Automatic Busy Redial
Automatic Call Return
Call Block
Call Forwarding (Variable)
Call Waiting
Caller ID - Number
Caller ID - Name and Number
Distinctive Ring
Special Call Acceptance
Special Call Forwarding
Speed Calling 8 and 30
Three Way Calling
VIP Alert

b) If three or more services are ordered, on a per account basis, the discount will apply on rates of all services.

c) If the customer subscribes to less than three services or the customer removes a service(s) such that the total subscription becomes less than three, the discount does not apply.

d) A service may be added at a later date for the discount to apply. A service may also be substituted for another at a later date so that the discount may continue to apply.

GENERAL SERVICES

CUSTOM CALLING SERVICES

D. CONDITIONS

1. Restriction of service to Three-Way and Speed Call services may be inherent due to equipment limitations; i.e., within same "hunting group".

2. The following exchanges will offer the service or service packages of Anonymous Call Block, Automatic Busy Redial, Automatic Call Return, Call Block, Call Tracing Service, Caller ID - Number, Caller ID - Name and Number, Selective Blocking - Per Call, Complete Blocking - Per Line, Special Call Acceptance, Special Call Forwarding, VIP Alert, CUSTOM PAK-ENHANCED/CUSTOM PAK-VIP (1):

| | |
|---|---|
| Cannon Falls | Almelund |
| Delano | Lindstrom |
| Maple Plain | Scandia-Marine |
| Mayer | Taylors Falls |
| Mound | Wyoming |
| New Germany | |
| St. Bonifacius | |
| Watertown | |

(1) CUSTOM PAK-ENHANCED/CUSTOM PAK-VIP are limited to existing customers at their present locations.

GENERAL SERVICES

CUSTOM CALLING SERVICES

D. CONDITIONS (Continued)

3. The following exchanges will offer the basic service package of Anonymous Call Block, Caller ID - Number, Selective Blocking - Per Call, Complete Blocking - Per Line and Call Tracing services. Additional services may be offered at the Company's option:

Adams
Alborn
Alden
Alvarado
Arco
Argyle
Askov
Atwater
Aurora
Babbitt
Bear River
Belgrade
Big Falls
Bigelow
Blooming
Boyd
Brimson
Brookston
Brownsdales
Butterfield
Byron
Cherry Grove
Claremont
Clarkfield
Clarks Grove
Clear Lake
Clearwater
Comfrey
Cosmos
Cottonwood
Crane Lake
Cromwell
Delft
Denham
Dexter
Dodge Center
Ellendale
Elrosa
Ely
Embarrass
Ericsburg
Finlayson
Floodwood
Fountain
Garrison
Gateway
Ghent
Greaney
Prairie Hallock
Hanley Falls
Hayfield
Hazel Run
Hardwick
Hector
Herman
Hollandale
Hoyt Lakes
Isabelle
International Falls
Isle
Jacobson
Jasper
Kabetogama
Kandiyohi
Keister
Kennedy
Kenyon
Kettle River
Kimberly
Lake Lillian
LeRoy
Littlefork
Lyle
Lynd
Malmo
McGrath
McGregor
Meadowlands
Milaca
Mountain Lake
Nickerson
Odin
Onamia
Oslo
Palisade
Palo
Pease
Prinsburg
Rainier
Raymond
Stephan
Sturgeon Lake
Svea
Tower
Two Harbors
Tyler
Wahkon
Wanamingo
Warren
Warba
West Concord
Wheaton
Wright

GENERAL SERVICES

DIRECTORY ASSISTANCE SERVICE

A. GENERAL

1. Telephone calls by customers for Intra-lata telephone number listings will be answered and numbers given if the requested number is listed in the Directory Assistance records from current listing information, and area codes within the state of Minnesota.

2. A maximum of two requested telephone numbers will be provided for each Directory Assistance call.

3. The rates in B.1. following, apply for all calls to Directory Assistance from within the Numbering Plan Area (intra-lata, 1+555-1212) or the customers local calling area (1+411), except as provided in B.3. The charges also apply to customers within such local calling areas in adjacent states that are subject to this Tariff.

4. The Company shall not be liable for any errors or omissions, whether arising through negligence or otherwise, in the information furnished; and the customer shall indemnify and save the Company harmless against all claims (including costs and reasonable attorney's fees) that may arise from the use of such information.

B. RATES

1. The charge for each direct dialed call (1+555-1212 or 1+411) to Directory Assistance is $2.49. (03/01/2023)

2. Requests placed through the operator when normal Directory Assistance service is available (maximum of two requests per call) are subject to the rate for direct dialed calls plus the Directory Assistance Call Completion Charge, as specified in this section.

3. Charges for Directory Assistance Service are not applicable to calls placed from hospitals or from customers whose physical, visual, mental or reading handicaps prevent them from using the telephone directory. The method of exempting those handicapped customers shall be via the completion of an exemption form and the telephone company's acceptance of that form.

GENERAL SERVICES

NATIONAL DIRECTORY ASSISTANCE SERVICE

A. GENERAL

National Directory Assistance (NDA) will provide the customer with directory listings for numbers outside of the customer's Local Access and Transport Area (LATA) from Frontier's directory assistance database. This database will make all the company listings available to any operator workstation along with national listings from other provider database(s). The Company will provide listings for residential, business, government, and 1-800 numbers. Customer Name and Address (CNA) Service is a reverse search feature which allows the caller to request a customer's name and/or address after giving the directory assistance operator a complete phone number.

B. REGULATIONS

1. The customer will receive a maximum up to two listings per call, i.e., two NDA numbers, one NDA number and one CNA listing or two CNA listings.

2. The Company shall not be liable for any errors or omissions, whether arising through negligence or otherwise, in the information furnished; and the customer shall indemnify and save the Company harmless against all claims (including costs and attorney's fees) that may arise from the use of such information.

3. The customer will have access to any in- or out-of-franchise, number/address listing within the continental United States, Alaska and Hawaii, with the exception of non-published listings. When a non-published number/address is requested, the message "Non-published number/address" or "NP" is displayed and no information will be available.

4. Charges for National Directory Assistance/Customer Name and Address Service are not applicable to calls placed from hospitals, or to calls placed by customers who certify they are unable to use a directory because of visual or physical handicap.

5. National Directory Assistance and Customer Name and Address Service will be available where technology permits.

6. For directory listing information regarding numbers within the customer’s LATA, Local Directory Assistance charges apply, as specified elsewhere in this tariff.

C. RATES

1. For each call to the National Directory Assistance
Customer Name and Address Service $2.49 (03/01/2023)

GENERAL SERVICES

DIRECTORY ASSISTANCE CALL COMPLETION

A. GENERAL

DACC allows customers the option to have their Local, IntraLATA or InterLATA calls completed to a requested number by either Directory Assistance Operator or Directory Assistance Audio Response System that provides the requested directory listed number.

B. REGULATIONS

1. The Company assumes no responsibility or liability for any errors in the information furnished. The caller shall indemnify the Company and hold it free and harmless of and from any and all claims, demands or damages that shall arise from the use of the service.

2. Charges for DACC are not applicable to calls placed from hospitals, or to calls placed by customers who certify they are unable to use a directory because of visual or physical handicap.

3. DACC will only be furnished where facilities and operating conditions permit.

4. The calling party will incur a * per minute usage charge for all toll calls completed between the calling station and the station connected via DACC. No usage plan discounts will apply to calls connected via DACC. (03/01/2023)

   IntraLATA calls completed through the use of DACC will be carried by the Telephone Company, notwithstanding the identity of the presubscribed IntraLATA carrier (ILC PIC) selected by the customer.

C. RATES AND CHARGES

| | |
|---|---|
| Directory Assistance Call Completion, per call | $1.00 (03/01/2023) |

GENERAL SERVICES

A. General

A convenience fee is a charge that is added onto a customer's account if a customer makes a payment using a Company Representative. The customer is informed by the Company Representative of the applicable charges prior to processing the payment. The charge will be collected at time of payment processing.

B. Regulations

This fee will not apply if:

- The automated payment systems are unavailable due to system outages.
- At the time payment is made, the customer agrees to sign up for automatic bill payment.
- Payment is taken for a deposit.
- The payment is for a Government account.

C. Rates and Charges

| | | |
|---|---|---|
| Convenience Fee, per occurrence | $10.00 | (I) |

GENERAL SERVICES

DIRECTORY LISTINGS

A. GENERAL REGULATIONS (C)

The following applies to light faced listings in the white pages (alphabetical section of the directory).

1. Only information necessary to identify the customer is included in these listings.

2. The Telephone Company may use abbreviations in listings when, in its judgment, the clearness of the listing or the identification of the subscriber is not impaired.

3. The Telephone Company may reject a residence listing which is judged to be business or advertising. The Telephone Company may reject a listing which it judges to be objectionable or fictitious and contrived.

4. Special arrangement of names designed to secure a preferential position in the alphabetical list or listings which otherwise are objectionable are not acceptable.

5. A name made up by adding a term such as Company, Shop Agency, Works etc. to the name of a commodity or service will not be accepted as a listing unless the subscriber is legally doing business under that name.

6. Listing charges date from the day the time it is available in directory assistance and continue until the expiration date of the printed directory in which they appear.

7. Incoming calls to non-published service will be completed by the Company only when the calling party places the call by number. The Company will adhere to this practice not withstanding any claim of emergency the calling party may present. In the absence of willful misconduct, no liability for damages arising from publishing the telephone number of a non-published service customer in the directory or disclosing a non-published number to any calling party shall attach to the Company and where such number is published or disclosed by a Company employee, the Company's liability shall be limited to and satisfied by a refund of any monthly charges which the Company may have made for such non-published listing service.

8. The Company reserves the right to forward the name, address and telephone number of non-published telephone number service customers to government agencies authorized by ordinance to establish E911 service and/or subscribing to or providing E911 service.

9. Non-published directory service telephone numbers associated with the line used by the calling party to place outgoing calls may be forwarded to subscribers of calling number ID. (C)

GENERAL SERVICES

DIRECTORY LISTINGS

B. COMPOSITION OF LISTINGS

1. Name

   a. Business Service (If questions arise regarding the right of a customer to list the name of a business or to use the trade name of another, the Company may require written authority from the owner of such name or trade name prior to the insertion or continuance of such listing.)

      1. The name of a subscriber
      2. The name of each business enterprise which the subscriber conducts
      3. The name of a corporation which is the parent or subsidiary of the subscriber

   b. Residence Service

      1. The name of the subscriber
      2. Another authorized residential name
      3. Dual name listings for authorized by the subscriber i.e. Smith, Mary and John
      4. Name of a church that includes “parsonage”, “rectory”, “parish house”, “church study” or a descriptor that indicates it is part of a domicile

2. Designation

   1. A designation can be used on a business service to assist the public in calling but not to advertise the business

3. Address

   1. Each customer may, but does not have to, include the house number and street name of the residence service is provided. A customer may provide an alternate address like a PO Box that is a valid mailing address.

GENERAL SERVICES

DIRECTORY LISTINGS

C. TYPES OF LISTINGS

1. Primary – One listing, termed the primary listing, is provided without charge for each customer service whether billed by the same monthly statement or by separate statements for service provided by an entity with directory listing agreement

2. Additional – A general term to denote any listing, regardless of the form, in addition to the primary listing. It may be a second listing of the primary number with different name or a listing for a telephone number for the same customer service. It may also be a cross reference listing which is a referral without a telephone number to another listing i.e. JC Penney's see Penney's. A business class of service may have a residential additional listing in order to populate a record in the residential section of a directory.

3. Foreign – A listing appearing in a directory other than the directory in which local exchange service if furnished or associated with a service provider that does not have a directory listing agreement in place

4. Extra Line of Information – descriptive text that does not have a telephone number

D. RATES

| | | |
|---|---|---|
| Additional Listing | Residential | $5.25 (12/13/2022) |
| | Business | $19.00 (01/23/2025) |
| Foreign Exchange Listing | Residential | $5.20 |
| | Business | $6.00 |
| Directory Listing Extra Lines | Residential | $5.00 |
| | Business | $15.00 (01/23/2025) |

GENERAL SERVICES

ENTERPRISE/ZENITH SERVICE

Refer to Special Reverse Charge Toll Service in this section.

GENERAL SERVICES

SPECIAL BILLING NUMBER SERVICE

A. GENERAL

Special Billing Number Service is the provision of a separate listing of toll telephone messages each month for each billing number used in placing calls.

B. RATES

| | Billing Code | Monthly Rate |
|---|---|---|
| Special Billing Numbers, each | - | $1.50 |

C. CONDITIONS

1. Special Billing Number Service may be provided in conjunction with all classes and grades of service.

2. The minimum period for which this service may be offered is two months.

GENERAL SERVICES

HOME INTERCOM SERVICE

A. GENERAL

Home Intercom Service allows customers with a one party flat or measured residence or business line to use their line to provide an intercom system. With Home Intercom Service the customer dials an access code, receives a busy signal, hangs-up and all telephone instruments on that line will receive a distinctive ring. Upon answering, a clear conversation path is established until all telephones resume the on-hook position.

B. RATES

| | Billing Code | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| Home Intercom Service, per line | - | $.75 | (1) |

C. CONDITIONS

1. The access code may be the customer's own telephone number or a special three-digit code depending on the type of Central Office from which the customer is served.

2. Home Intercom Service will not be available to customers who subscribe to Public Access Line Service, Public Interexchange Carrier Access Service, Trunks, Foreign Exchange Service, Multiparty Service or lines in a rotary hunt group.

3. This service is provided only where facilities permit.

4. Minimum charge will be one month's service.

5. Charge will not apply when Home Intercom Service is changed due to Company initiated change.

(1) Refer to Section 6, SERVICE CHARGES for appropriate charge.

GENERAL SERVICES

SELECTIVE CLASS OF CALL SCREENING

A. GENERAL

1. Selective Class of Call Screening Service enables a customer, by means of Company operator identification, to restrict outgoing toll calls from station users to only those calls which are charged to the called telephone, a third number or a Company credit card account.

B. RATES

| | | Billing Code | Monthly Rate (1) | Nonrecurring Charge |
|---|---|---|---|---|
| 1. | Per Access Line Equipped | CALLS | $ 1.25 | $47.00 |
| 2. | Per COPTS Line Equipped | -- | 1.33 | 47.00 |

C. CONDITIONS

1. All local calls and calls to Company numbers such as repair service, Directory Assistance Service and public emergency service numbers such as 911 will be permitted from the establishment.

2. This service is available to hospitals, hotels, motels and other such institutions only where facilities permit.

3. Service Charges will apply when customers change the existing Call Screening on the line or add Call Screening to a line.

(1) The monthly rate is in addition to any other appropriate rates or charges on file in this Tariff.

GENERAL SERVICES

SPECIAL REVERSE CHARGE TOLL SERVICE

A. GENERAL

Special reverse charge toll service provides an arrangement whereby a subscriber enables its patrons to call from points where a toll charge applies, without paying a toll charge and without requesting that the charge be reversed.

B. RATES

The monthly charge for special reverse charge toll service and associated additional listings are as follows:

| Billing Code | | Monthly Rate |
|---|---|---|
| Special Reverse Charge Toll Service (1) | PRCT | $4.85 |
| Additional listings, each (2) | -- | 1.65 |

C. CONDITIONS

1. This service is available only to customers having private branch exchange service or individual line service other than coin box.

2. Special reverse charge toll service is furnished only in those exchanges where the special operating and billing methods and special telephone numbers required for that purpose are established by the Company. Such special telephone numbers include the prefix Zenith at this Company's Minnesota exchanges, and prefixes such as Enterprise, or Quickway, or Zenith at exchanges of certain other companies or in certain other States.

3. Calls for the special number are accepted only when originating at telephones located in the exchange with which the special call number is associated and only those calls placed by calling this special number are considered as coming within the scope of the service.

4. The customer assumes the charges for all toll calls placed by calling this special number in each exchange.

5. The initial contract period for this service is one month.

6. The message toll rates applying in connection with special reverse charge toll service are the established sent-paid Station-to-Station rates.

(1) Including primary listing in the alphabetical directory of the exchange involved, or in two of such alphabetical directories where more than one is provided at a given exchange.
(2) In any alphabetical directory of the exchange in which the related Special Reverse Charge Toll Service is provided.

GENERAL SERVICES

CALL TRANSFER SERVICE

A. GENERAL

1. Call Transfer Service allows the customer (Party X) in a two-way call to transfer the other party (Party Y) to a third party (Party Z). The call is transferred when Party X flashes the switchhook, getting a special dial tone, then dials Party Z and hangs up before Party Z answers. Party X is responsible for all charges for the duration of the call, beginning from the time that the call is transferred to Party Z, even though Party X is no longer involved in the conversation.

2. If Party X originates a call with Party Y, adds Party Z in a three-way calling arrangement, and then disconnects from the call, Parties Y and Z will be able to continue their conversation. Party X is responsible for all charges for the duration of the call beginning from the time that Party Z is added.

B. REGULATIONS

1. Call Transfer Service is offered only in central offices equipped to provide such service.

2. This service is available only to customers with one-party Residence and Business Service. Pay Telephone Service and customers with Business Trunks or Citizens Digital Centrex Service are excluded.

3. The customer must also subscribe to Three-Way Calling, as specified elsewhere in this Section.

4. At least one other party (Party Y or Party Z) in the transferred call must be served from the same central office as the customer (Party X).

C. RATES AND CHARGES

The following rates and charges are in addition to the applicable service charges specified in Section 6 and to all other rates and charges applicable to associated services.

| | | Monthly Rate |
|---|---|---|
| Call Transfer Service, per line. | (TRNSV) | $2.95 |

GENERAL SERVICES

DUPLICATE BILL CHARGE (N)

A printed copy of regular monthly billing may be provided to customers upon request where such information is available and facilities permit. A Duplicate Bill Charge will apply for providing a printed copy of current and/or previous months' billing.

| | Residence | Business |
|---|---|---|
| Duplicate Bill Charge, per copy of bill requested | $5.00 | $5.00 |

(N)

SPECIALIZED SERVICES

INDEX


| Subject | Sheet Number |
|---|---|
| Automatic Reminder Service | 33 |
| Billed Number Screening Service | 30 |
| Business Traffic Study Service | 84 |
| Citizens CyberDS1 (CCD) Service | 37 |
| Citizens Digital Channel Service (CDCS) | 66 |
| Community Calling Service | 2 |
| Concurrences | |
| Wide Area Telecommunications Service | |
| Customer-Provided Equipment | 6 |
| Customized Number Service | 22 |
| Direct Inward Dialing Service to Customer-Premises Located | |
| Switching Systems - Non-Digital & Digital Switching Systems | 9 |
| Emergency Conference Service | 20 |
| Fixed Call Service | 35 |
| FRONTIER T-ADVANTAGE[sm] Digital Service | 81 |
| Hearing or Speech Impairment Equipment | 4 |
| Integrated Services Digital Network (ISDN)- Primary Rate Interface (PRI) | 77 |
| Integrated Services Digital Network (ISDN)- Single Line Services | 39 |


(M)

SPECIALIZED SERVICES

INDEX


| Subject | Sheet Number | |
|---|---|---|
| Number Referral | 36 | |
| Optional Toll Calling Plan | 1 | |
| Private Line Service | 5 | |
| Services for Enhanced Service Providers | 23 | |
| Special Terminal Equipment Funding | 16 | |
| | | (M) |
| Warm Line Service | 19 | |
| Watchnet Service | 18 | |
| 900/976 Blocking Service | 15 | |

SPECIALIZED SERVICES

OPTIONAL TOLL CALLING PLAN

A. REGULATIONS

The following regulations are in addition to the applicable regulations as set forth in other portions of this tariff.

1. The Optional Toll Calling Plan (the PLAN) is made available to customers of the Company's exchanges for communications between points within the State of Minnesota.

2. The PLAN applies only to intrastate dial station-to-station service, except calls billed to special identification numbers issued to students shall not qualify for the PLAN.

3. The PLAN applies only to calls of 30 airline miles or less.

4. The PLAN applies only on those calls established within the following hours:

   a. Weekdays - 12 Noon to 8 AM
   b. Saturday - All Day
   c. Sunday - All Day
   d. The PLAN shall not apply to calls placed on Christmas Day (December 25) and on New Year's Day (January 1), Independence Day (July 4), Thanksgiving Day and Labor Day and on resulting legal holidays when Christmas, New Year's or Independence Day legal holidays fall on dates other than December 25, January 1 or July 4.

5. For a customer with more than one line or trunk the PLAN will apply to all lines and trunks billed to the same billing number. One monthly charge would apply for each billing number included in the PLAN.

6. The minimum initial service period is one month.

7. Billing period under the PLAN will be determined by the toll billing cutoff date. The customer has the option of enrolling in or withdrawing from the PLAN at either the beginning or ending of the billing period. There will be no billing of fractional amounts.

8. The PLAN is a trail offering approved by the Minnesota Public Service Commission which became effective June 4, 1977. This tariff will continue in effect until such time as it is modified or withdrawn by the Company.

SPECIALIZED SERVICES

COMMUNITY CALLING SERVICE

A. General

1. Community Calling Service is a toll service offered to residence and business customers at discounted toll rates within certain intrastate distances and within certain time periods, as set forth below. This tariff will continue in effect until such time as it is revised, modified or withdrawn by the Company.

B. Rates (1)

1. Service Charges apply except that during the first 90 days following the effective date of this offering the Service Order Charge will be waived.

**Time Period**

| | | **Full Time (24 Hours Everyday)** | | | **Off-Peak (Excludes 9-11AM & 8-10PM Mon-Fri)** | | |
|---|---|---|---|---|---|---|---|
| | **Rate Mileage Band** | **Billing Code** | **30 Minute Initial Period** | **5 Minute Add'l Periods or Any Major Portion Thereof** | **Billing Code** | **30 Minute Initial Period** | **5 Minute Add'l Periods or Any Major Portion Thereof** |
| Residence | 1-20 Miles | CCS02 | $1.75 | $.29 | CCS01 | $1.25 | $.20 |
| | 1-40 Miles | CCS05 | 2.95 | .49 | CCS03 | 2.20 | .36 |
| Business | 1-20 Miles | CCS04 | $2.45 | $.40 | -- | $1.95 | $.32 |
| | 1-40 Miles | CCS07 | 4.40 | .73 | CCS06 | 3.65 | .60 |

(1) The rates for this service shall not apply to calls placed on Christmas Day (December 25) and on New Year's Day (January 1), Independence Day (July 4), Thanksgiving Day and Labor Day and on resulting legal holidays when Christmas, New Year's or Independence Day legal holidays fall on dates at other than December 25, January 1 or July 4. The rates set forth above are at the same levels as those on file by Northwestern Bell Telephone Company and are subject to the Company's concurrence in the message toll rates of that company.

SPECIALIZED SERVICES

COMMUNITY CALLING SERVICE

C. Conditions

1. The following conditions are in addition to the applicable regulations as set forth in other portions of this tariff.

   a. Community Calling Service is made available to residence and business customers of the Company's exchanges for communication between points within the state of Minnesota.

   b. The service applies only to intrastate dial station-to-station service to exchanges whose toll rate points, from the calling exchange, are within the rate mileage bands provided under B. Rates, preceding.

   c. The service applies only on those calls established within the hours as provided under B. Rates, preceding.

   d. The initial period for the service is 30 minutes. Additional usage in excess of the initial period shall be charged for in increments of 5 minutes or major portion thereof. Minimum timing per message is one minute. Timing of additional minutes and fractions thereof will be rounded to the next higher minute.

   e. The service may be suspended only when the access line service with which it is associated is temporarily suspended for vacation rate service. No monthly charge shall apply for the Community Calling Service so suspended.

   f. For a customer with more than one line or trunk the service will apply to all lines and trunks billed to the same billing number. One monthly charge would apply for each billing number included in the service.

   g. The minimum initial service period is one month.

   h. Billing period under the service will be determined by the billing date. The customer has the option of enrolling in or withdrawing from the service at either the beginning or ending of the billing period. There will be no billing of fractional amounts.

   i. Customers receiving service from Citizens Communications of Minnesota may not subscribe to more than one discounted message toll plan at a time.

SPECIALIZED SERVICES

HEARING OR SPEECH IMPAIRMENT EQUIPMENT

A. RATES

Service Charges as specified in Section 6 apply.

| | Billing Code | Monthly Rate |
|---|---|---|
| 1. Handsets | | |
| a. With Volume Amplifier | -- | $3.30 |
| b. With Push-to-Talk Button | -- | 1.70 |

SPECIALIZED SERVICES

PRIVATE LINE SERVICE

A. INTER-EXCHANGE PRIVATE LINE SERVICE

1. All Private Line Services are provided in the Citizens Communications Minnesota Intrastate Access Services Tariff.

B. INTRA-EXCHANGE PRIVATE LINE SERVICE

1. Intraexchange mileage rates for same premises, separate premises and tie line terminals are specified in Section 5, Mileage Rates, of this Company's Tariff.

2. Rates for the provisioning of intraexchange digital data services are specified in the Citizens Communications Minnesota Intrastate Access Services Tariff.

SPECIALIZED SERVICES

CUSTOMER PROVIDED EQUIPMENT (1)

A. GENERAL

1. Customer provided equipment may be connected at the customer's premises to facilities of the Company for use with individual line, multiparty line, PBX and key systems exchange service in compliance with FCC regulations.

2. Customers may connect equipment or systems registered or grandfathered by the FCC directly to the Company network subject to the provisions as stated elsewhere in this Tariff.

3. The General Regulations contained in Section 2 of this Tariff apply. In any instance where the Tariff of the Company conflicts with an effective order of the FCC, the FCC order will have precedence.

4. Responsibility of the Customer

   a. Upon notification from the Company that the customer provided equipment is causing or is likely to cause harm, the customer shall make such change as is necessary to remove such harm. Failure to make such change will result in disconnection of service until such change is completed to the satisfaction of the Company.

   b. The customer will be responsible for the payment of charges for service calls by company employees to the customer's premises where a service difficulty or trouble report results from customer provided equipment and/or inside wire.

   c. The customer may be required, as a condition of service, to pay in full all sums due the Company including, but not limited to, installation charges, service charges, termination charges, minimum charges, and reimbursement for loss or damage to company facilities as may apply.

   d. A customer must subscribe to, and be capable of providing operation for, sufficient quantities of main terminals to provide adequate access to his customer provided equipment in accordance with accepted communications industry standards.

(1) Refer to also Customer Premises Inside Wire (Section 2).

SPECIALIZED SERVICES

CUSTOMER PROVIDED EQUIPMENT

A. GENERAL (Continued)

4. Responsibility of the Customer (Continued)

e. Use of company facilities or service in connection with any device for recorded public announcements is subject to the following conditions:

1) For purposes of identification, customers to telephone service who transmit recorded public announcements over facilities provided by the Company must include in the recorded message the name of the organization or individual responsible for the service and the address at which the service is provided.

2) Customers transmitting factual public announcements such as time, stock market quotations, airline schedules and similar information are excluded from the preceding condition.

3) Nonpublished telephone service will not be furnished for use with recorded public announcements.

4) Failure to comply with the provisions of this Tariff shall be cause for termination of the service.

5. Responsibility of the Company

a. The technical criteria relative to provision of customer provided systems and equipment is contained in tariffs on file with the FCC.

b. The Company shall not be responsible to the customer for changes in the technical criteria or in any of the facilities, operations or procedures initiated by the Company or appropriate regulatory agencies which might render any customer provided equipment obsolete or require modification or alteration of such equipment or otherwise affect its use or performance. The Company will make a reasonable effort to notify a customer in advance of changes in technical criteria, operation or procedures which might affect customer provided equipment or systems.

c. The Company shall not be responsible for the installation, operation or maintenance of any customer provided communications systems or equipment.

d. The Company will not provide systems or equipment beyond the point of demarcation.

SPECIALIZED SERVICES

CUSTOMER PROVIDED EQUIPMENT

A. GENERAL (Continued)

5. Responsibility of the Company (Continued)

e. The Company will make reasonable attempts, where practicable, to notify the customer that temporary discontinuance of service may be required to eliminate service difficulty resulting from customer provided equipment and Service Charges will apply. However, where prior notice is not practicable, the Company may temporarily discontinue the service in accordance with FCC rules.

B. MAINTENANCE OF SERVICE CHARGES

1. The following charges are applicable for time spent by a Company employee when it is determined that the service difficulty or trouble report results from customer-provided terminal equipment and/or communications systems connected or arranged for connection to Company facilities. Normal working hours are from 8:00 a.m. to 5:00 p.m., Monday through Friday, holidays excepted.

a. In or out of the Base Rate Area during normal working hours, first 15 minutes or fraction thereof (time measured upon serviceman's arrival/departure at customer's premises)

| | | |
|---|---|---|
| 1) | First 15 minutes or fraction thereof | $45.50 |
| 2) | Each additional 15 minutes or fraction thereof | 9.50 |

b. In or out of the Base Rate Area after normal hours, first 15 minutes or fraction thereof (time measured upon serviceman's arrival/departure at customer's premises)

| | | |
|---|---|---|
| 1) | First 15 minutes or fraction thereof | $48.95 |
| 2) | Each additional 15 minutes or fraction thereof | 12.95 |

2. All charges described in this paragraph are in addition to all other rates and charges billed to the customer.

SPECIALIZED SERVICES

DIRECT INWARD DIALING SERVICE TO CUSTOMER-PREMISES LOCATED SWITCHING SYSTEMS

A. GENERAL

1. Direct Inward Dialing (DID) Service to customer-premises located switching systems is furnished subject to the availability of facilities and the availability of telephone numbers.

2. The service includes the central office switching equipment necessary for DID from the exchange and long distance message telecommunications network directly to the point of demarcation associated with customer-premises located switching systems.

3. The service must be provided on all lines in a trunk or Network Access Line group arranged for inward service. Routing of calls to selected numbers within the DID number group over a separate trunk or Network Access Line group is not contemplated.

4. The charges for the service, as provided in B. following, are in addition to all applicable charges for PBX service with which this service is associated and the applicable Network Access Line and connecting arrangement charges.

5. Operational characteristics of interface signal between the Company provided connecting arrangements and the customer provided switching equipment must conform to the rules and regulations the Company considers necessary to maintain proper standards of service.

6. The Company shall not be responsible to the customer or authorized user or joint user if changes in protection criteria or in any of the facilities, operations or procedures of the Company render any facilities provided by a customer, authorized user or joint user obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance.

7. Directory listings will be provided in accordance with the regulations of Section 5 of this tariff for PBX listed number trunks. DID numbers furnished herein are not entitled to free directory listings.

8. The customer premises located switching equipment must be arranged to provide for intercepting of unused numbers transmitted to the switching equipment.

9. The rates and charges for the service contemplate the use of standard Company equipment and serving arrangements.

SPECIALIZED SERVICES

DIRECT INWARD DIALING SERVICE TO CUSTOMER-PREMISES LOCATED SWITCHING SYSTEMS

A. GENERAL (Continued)

10. The minimum contract period for the service from a step-by-step or crossbar central office is three years. In case of discontinuance of service within the minimum contract period, please refer to footnote (1) on next sheet, termination charge.

11. Subscribers to DID shall be responsible for the mechanical or manual interception of calls placed to station lines or numbers not connected for service.

12. Foreign central office mileage charges will apply if a subscriber is provided DID service from a foreign central office, except they will not apply to the provision of (a) DID service if two or more customers in the same central office subscribe to the service or (b) DID service if a single customer in a central office subscribes to more than 1,000 DID service numbers, and at the option of the Company the service is furnished from a foreign central office in the same exchange.

13. Construction charges apply where equipment or facilities required to provide a requested service are not available. Construction charges will not apply to the provision of (a) DID service if two or more customers in the same central office subscribe to the service or (b) DID service if a single customer in a central office subscribes to more than 1,000 DID service numbers.

14. The Company will assign station numbers for DID in blocks of 20 numbers. Station numbers assigned to the subscriber will not exceed 19 vacant numbers. When additional station numbers are required, they will be made available as soon as the Company has equipment available for this purpose. The Company does not guarantee that station numbers will be made available in all cases.

SPECIALIZED SERVICES

DIRECT INWARD DIALING SERVICE TO CUSTOMER-PREMISES LOCATED SWITCHING SYSTEMS

B. RATES (1)

Services Charges as specified in Section 6 apply to all services and equipment and apply in addition to any listed nonrecurring charges.

| | | Billing Code | Monthly Rate (2) | Nonrecurring Charge |
|---|---|---|---|---|
| 1. | First 20 station numbers assigned (3) | TDIDB | $9.25 | $237.00 |
| 2. | Each additional 20 station numbers assigned | TDIDB | 9.25 | -- |
| 3. | Trunk termination, per trunk | -- | 21.00 | -- |

(1) The above rates also apply to Mobile Telephone Service.
(2) Subject to a termination charge equal to 50% of the monthly rate in effect at the time service is established times the number of months remaining in the initial service period. The termination charge applies to service from step-by-step or crossbar central office.
(3) A multiple of five groups of 20 DID numbers is the minimum requirement for customers served from step-by-step or crossbar central offices.

**CITIZENS TELECOMMUNICATIONS COMPANY OF MINNESOTA**

**SECTION 3**
**First Revised Sheet 12**
**Cancels Original Sheet 12**

SPECIALIZED SERVICES

Resrvied for Future Use (T)

(M)

(M)

SPECIALIZED SERVICES

Reserved for Future Use (T)

(M)

(M)

SPECIALIZED SERVICES

Reserved for Future Use (T)

(M)

(M)

SPECIALIZED SERVICES

900/976 BLOCKING SERVICE

A. GENERAL

1. Blocking Service provides residence and business customers with the ability to block access from a particular network access line to all telephone numbers for which a certain Numbering Plan Area (NPA) or prefix must be dialed.

2. The two types of Blocking Service available are 900 Blocking Service and 976 Blocking Service.

   a. 900 Blocking Service blocks access to all telephone numbers for which the 900 NPA must be dialed.

   b. 976 Blocking Service blocks access to all telephone numbers for which the prefix 976 (1+NPA+976 or 1+976) must be dialed.

3. The service is classified as a local exchange telecommunications service.

B. RATES

1. First-time orders for Blocking Service shall be without charge to the customer.

2. The second and all subsequent orders for Blocking Service from the same customer shall be subject to a Subsequent Service Ordering Charge and a Line Connection Charge as set forth in Section 6 of this tariff.

C. CONDITIONS

1. The Company's obligation to furnish network facilities for Blocking Service is dependent upon the availability of suitable facilities. Because of central office and other facility limitations, it may not be possible for the Company to provide all of the services that may be requested.

2. Blocking Service is available only for blocking access to all NPA or prefix telephone numbers from a particular network access line, and not for blocking access to a specific NPA or prefix telephone number.

3. The Company will not disconnect or deny local exchange service to its customers for nonpayment of 900/976 Blocking Service charges.

SPECIALIZED SERVICES

SPECIALIZED TERMINAL EQUIPMENT FUNDING

A. GENERAL

1. The Special Terminal Equipment Funding Program will be available for the use of disabled persons who have been certified to the Company as having an impairment which necessitates that they communicate by special terminal equipment.

2. Funding up to $1,000.00 will be available for the purchase of the equipment and used with residence service provided to a customer of Citizens Communications.

3. The contracted funding may be with a disabled customer, parent or legal guardian of a disabled person,or customer furnishing service for use by a disabled person residing in the customer's household.

4. The Company check for purchase of terminal equipment shall be made payable to the seller of subject equipment.

5. Customers shall have sole and exclusive responsibility for the installation, operation and maintenance of any special terminal equipment. The Company shall have no responsibility for repairing or maintaining the terminal equipment.

6. The Company will have the right to deny funding if it is determined the equipment will be excessively costly for the customer to maintain, will cause electrical hazards to Company personnel, damage to Company equipment, malfunction of Company billing equipment, degradation of service to persons other than the user of the subject terminal equipment, or where the Company equipment or facilities, or both, required to provide service are not available, and their provision entirely at the expense of the Company would not, in the opinion of the Company, constituted a prudent investment.

7. The Company shall not be liable to the customer or anyone else for any consequential or actual loss, damage or expense directly or indirectly caused by the equipment or arising from the customer's ownership, use of or inability to use the equipment, except in cases of the Company's willful and intentional act.

8. The Company excludes any expressed or implied warranties on the terminal equipment being purchased, including any warranties of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

SPECIALIZED SERVICES

SPECIALIZED TERMINAL EQUIPMENT FUNDING

B. PAYMENT

1. Funding, including interest, shall be repaid in equal monthly installments not to exceed 60 months. Minimum monthly installments will be $5.00.

2. Simple interest at the rate of 6 percent is applied for the period during which funding is held by the customer, parent or legal guardian.

3. The customer, parent or legal guardian will he the option to repay the entire unpaid balance at any time.

4. If a customer, parent or legal guardian fails to pay any of the installments when due, the Company shall not disconnect main line service.

5. Upon default of the loan, the Company shall retain any monthly installments paid.

6. If the main line residence service, used by the disabled person, is terminated, at the option of the Company the entire unpaid balance under the funding plan may be declared due and payable.

SPECIALIZED SERVICES

WATCHNET SERVICE

A. GENERAL

WATCHNET is a central office service that couples with existing circuitry and customer premises equipment to provide continuous monitoring of protected premises from remote locations.

1. WATCHNET patron access lines will be provided where facilities permit.

   The Company shall not incur any liability, direct or indirect, to any person who utilizes WATCHNET Service or to any other person who may be affected by the continuous monitoring of protected premises from remote locations.

2. The Company's liability to any customer arising out of the provision of WATCHNET Service under this Tariff shall be limited as shown in Section 2, GENERAL REGULATIONS, Liability of the Company.

3. WATCHNET is provided as a Shared Service.

   a. Shared Service

      The shared WATCHNET Service will allow several security companies to share a system within a central office area. Central office equipment monitors each patron access line for a change in its status. When a change is detected, alarm status and patron information is delivered to the proper security company. Shared service is available only in central offices designated by the Company.

B. RATES

| | Billing Code | Monthly Rate | Nonrecurring Charge (1) |
|---|---|---|---|
| 1. Shared Service | | | |
| a. Patron Access | -- | $ 8.25 | $16.45 |
| b. Central Station Access | | | |
| 1) Shared Dial Port, 300 Baud | | | |
| a) 1-10 Central Offices, each per order | -- | 20.00 | 100.00 |
| b) 11-20 Central Offices each per order | -- | 17.00 | 75.00 |
| c) 21 and over Central Offices, each per order | -- | 15.00 | 60.00 |
| 2) Private Line Port, each 300 Baud | | | |
| a) Central Offices, each* | -- | 25.00 | 100.00 |

* Plus Private Line Tariff charges.

(1) The above nonrecurring charge is in addition to any applicable Service Charge as described in Section 6, SERVICE CHARGES.

SPECIALIZED SERVICES

WARM LINE SERVICE

A. GENERAL

1. Warm Line Service enables a user to call a specific destination without dialing any digits.

2. To activate this feature, the user removes the receiver from the switchhook. When the off- hook indication is received at the digital central office, the directory number or code of the destination is read from memory and the call is automatically routed to its destination.

3. If the line is also used for regular telephone service, a critical timeout is required after dial tone is returned to the line. If no digits are received within this customer specified time period, the call is routed to the specified destination. Otherwise, it is routed in accordance with the dialed digits.

4. Calls can be routed to the following destinations:

   a. To an operator.
   b. To a terminal in the digital central office (DCO) system.
   c. To a terminal in another central office.

5. Warm Line Service will be offered where facilities and operating conditions permit.

B. RATES

| | Billing Code | Monthly Rate |
|---|---|---|
| 1. Each equipped line | -- | $1.00 |

SPECIALIZED SERVICES

EMERGENCY CONFERENCE SERVICE (1)

A. GENERAL

Emergency Conference Service is furnished in the interest of the public safety by means of equipment located in a central office of the Company through which any exchange customer may make an announcement to several exchange stations simultaneously.

B. RATES

1. Applicable in exchanges of Citizens Telecommunications Company of Minnesota

| | Billing Code | Monthly Rate |
|---|---|---|
| a. Automatic Type | | |
| 1) Up to 10 reporting stations | -- | $63.40 |
| 2) Up to 20 reporting stations | -- | 99.45 |
| 3) Up to 30 reporting stations | -- | 123.50 |
| 4) Up to 40 reporting stations | -- | 159.50 |
| b. Siren Control | | |
| 1) Control relay, per siren | -- | 5.25 |
| 2) Pushbuttons or Keys, each, including 50 feet of circuit wire | -- | .90 |

2. Applicable in exchanges of Citizens Telecommunications Company of Minnesota

| | | |
|---|---|---|
| a. 10 or less connections per connection | -- | 1.80 |
| b. 11 or more connections per connection (includes all connections - one through the total number) | -- | 2.70 |

(1) This service is limited to existing customers at existing locations. The rates for all future offerings will be determined in accordance with Special Assemblies of Equipment, Section 2.

SPECIALIZED SERVICES

EMERGENCY CONFERENCE SERVICE

C. CONDITIONS

1. This service may be furnished only in connection with individual line services.

2. A contract or agreement for Emergency Conference Service will be for a minimum service period of three years.

3. Equipment, instruments and lines on the customer's premises, furnished by the Company, shall be and remain the property of the Company whose agents and employees shall have the right to enter said premises at any reasonable hour for the purpose of installing, inspecting or repairing equipment, instruments and lines.

4. Such Emergency Conference equipment is not to be used for performing any function other than the reporting or dissemination of information of an emergency nature.

5. The customer must not use nor permit any electrical or mechanical apparatus or device to be used in connection with the equipment or facilities furnished by the Company without the written consent of the Company.

6. Obligation of the Company for liability in connection with Emergency Conference Service is specified in Section 2 (General Regulations) of this Tariff.

SPECIALIZED SERVICES

CUSTOMIZED NUMBER SERVICE

A. GENERAL

1. Customers of the Company may request assignment of specific telephone numbers. If the telephone number or numbers requested by the customer are available, the Company may assign the number to the customer.

2. The Company reserves and retains the right:

   a. To discontinue, change or reassign telephone numbers in any exchange area whenever it deems it necessary or appropriate in the conduct of its business, or in accordance with the rules and procedures of the Company. If this should occur, the Customized Number Service Charge will not be refunded to the customer.

   b. To reject any request for specific telephone numbers for any reason, including but not limited to: relocation of a central office, limited central office capacity, or numbers that may, in the Company's sole opinion, be offensive to the public.

   c. Of ownership of all telephone numbers and prohibits the assignment of a telephone number by or from any customer to another, except as otherwise provided in this Tariff.

B. RATES

1. The appropriate Service Charges as specified in Section 6 of this Tariff will apply for Customized Number Service in addition to the following nonrecurring charge.

| | Billing Code | Nonrecurring Charge Bus | Nonrecurring Charge Res |
|---|---|---|---|
| a. Each Customized Number requested and placed into service | -- | $40.00 | $20.00 |

C. CONDITIONS

1. The Customized Number Service charge applies whenever a customer:

   a. Requests a number change from their present number to a Customized Telephone Number.

2. The Company shall not be liable to any customer for direct or indirect or consequential damages caused by a failure of service, change of number or assignment of a requested number to another customer whether prior to or after establishment of service. In any case the Company shall not be liable to any person, firm or corporation for an amount greater than such person, firm or corporation has actually paid to the Company for the Customized Number service.

SPECIALIZED SERVICES

SERVICES FOR ENHANCED SERVICE PROVIDERS

A. GENERAL

1. This tariff section contains regulations, rates and charges applicable to the provision of certain functional network capabilities. These capabilities, Services for Enhanced Service Providers (ESPs), expand the ability of ESPs to provide services to their clients through the use of the public switched telephone network. These network capabilities are provided by Citizens Communications Minnesota hereinafter referred to as the Company.

2. Services for ESPs are furnished only in central office areas where facilities and equipment, as determined by the Company, permit.

3. Services in this section of the tariff, designed primarily for ESPs are also available to others.

B. ESP SERVICES

ESP Services are services offered by the Company in conjunction with exchange access line service as outlined in Section 4 of this Tariff. Customers may order and utilize these services to connect to the Company's local exchange network to provide enhanced services to the customer's clients. These services are as follows:

1. Message Waiting Indication - Audible

   This service provides the ability for a customer to send and a customer's client line to receive an alerting signal in the form of an audible stutter dial tone. This alerting signal will be used by the customer to inform its clients that call information is waiting for them. This service is used in conjunction with Forwarded Call Information - Intraoffice.

2. Message Waiting Indication - Visual

   This service provides the ability for a customer to send, and a customer's client line to receive, through customer premises equipment, an alerting signal in the form of a light to its end user's line. This alerting signal can then be used by the customer to inform its clients that call information is waiting to be retrieved. This service is used in conjunction with Forwarded Call Information - Intraoffice.

SPECIALIZED SERVICES

SERVICES FOR ENHANCED SERVICE PROVIDERS

B. ESP SERVICES (Continued)

3. Forwarded Call Information - Intraoffice

This service provides information on the called number (the customer's client line which was busy or did not answer and is equipped with call forwarding), the forwarded to number (the customer's enhanced service number to which redirected calls are forwarded), and the reason calls were forwarded or placed to the customer. The reasons for forwarding information may include when a client's line is:

- busy;
- not answered;
- either busy or not answered; or
- used to call the customer directly

Customer subscribing to this service must also subscribe to Data Link service.

4. Data Link

The facility that connects the customer's location to the Company's central office. This facility provides the capability of delivering to the customer information such as the called number, the call forwarded number, and the condition of the call being forwarded by each central office serving area in which the customer wishes to offer enhanced services. Customers subscribing to this service must also subscribe to Forwarded Call Information - Intraoffice.

5. Queuing

This service provides customers subscribing to PBX Access lines or Citizens Digital Centrex lines arranged in a multiline hunt group the capability to equip that group with a queuing feature. Calls made to a multiline hunt group equipped with the queuing feature will complete immediately if there is an idle terminal in the hunt group. However, if all terminals in the hunt group are busy, the call is placed on queue and waits its turn to be served.

6. User Transfer

This service provides customers subscribing to PBX Access or Citizens Digital Centrex lines used in conjunction with ESPs equipment the ability to temporarily hold an established call, originate another call to a third party, and then transfer the first call to the third party. When a call has been transferred the original line/trunk is cleared to place or receive another call.

SPECIALIZED SERVICES

SERVICES FOR ENHANCED SERVICE PROVIDERS

C. DEFINITIONS

1. Client - The term "client" denotes any individual, partnership, association, joint-stock company, trust corporation, or governmental entity or any other entity which subscribes to the services offered by the customer utilizing those services provided under this Section of the Tariff.

2. Customer - The term "customer(s)" denotes an ESP, individual, partnership, association, joint-stock company, trust corporation, or governmental entity or any other entity which subscribes to the services offered under this Section of the Tariff.

3. Enhanced Service Provider - An Enhanced Service Provider (ESP) is a customer who, in accordance with applicable regulatory requirements, claims the status of an ESP and who provides an enhanced service under Section 64.702 of the FCC's rules.

4. ESP Bill Option - This is an ordering and billing option that allows a customer, on behalf of that customer's clients, to order and pay for the provisioning and monthly recurring charges of only those services necessary to establish a call forwarding service or a forwarded call information service. Should a client dispute authorization for the exercise of this option in conjunction with his/her service, the customer will be held liable for orders involving clients for whom no agency agreement exists.

D. REGULATIONS AND CONDITIONS

1. Undertaking of the Telephone Company

   a. The limitation of the Company's liability is set forth in Section 2 of this Tariff.

   b. The Company may disconnect the customer's service for failure to comply with any provision(s) of this Tariff or any tariff of the Company.

   c. ESP Client Services billed to ESP orders can only be accepted if the client line is specified and available for provisioning.

   d. If the Company finds the provision of ESP Services, as outlined herein, is adversely affecting or would adversely affect the Company's ability to provide, complete or maintain the level of or quality of its other services to its exchange telephone customers, the Company may refuse to provide or may discontinue providing such services.

   e. Charges for calls between the originating location and the call forward equipped line are applicable in accordance with regularly filed tariffs for operator station or person toll.

   f. The Company is not required to notify an ESP customer when the Company disconnects a service of another customer who is also the ESP's client.

SPECIALIZED SERVICES

SERVICES FOR ENHANCED SERVICE PROVIDERS

D. REGULATIONS AND CONDITIONS (Continued)

2. Enhanced Service Provider's Obligations

a. Customer services as outlined herein and the promotion and provision thereof must comply with all applicable Federal, state and local laws, rules and regulations.

b. The customer shall indemnify, defend, protect and save harmless the Company against any and all losses, claims, demands, suits, causes of action, damages, costs or liability in law or in equity of every kind and nature whatsoever, including attorney's fees, arising directly or indirectly from the service or in connection therewith, including but not limited to any loss, damage, expense, or liability resulting from any infringement or claim or infringement of any patents, trademarks, or copyright, or resulting from any claims of libel or slander.

c. The customer is responsible for all provisioning and monthly recurring charges for billed-to-ESP services including those situations in which the customer's client and/or the Company has temporarily suspended or disconnected that client's service.

d. The customer has exclusive responsibility and control over the content, quality, and characteristics of services or conversations conducted over the customer's equipment. The Company assumes no liability for the quality, defects in, or content of those services. The customer shall exclude from its services any matter, the dissemination of which is prohibited by law, or by rules, regulations or order of any governmental agency.

e. The customer shall not publish or use any advertising, sales promotion material, or other publicity relating to the subject matter of ESP Services wherein the Company's name or language, signs, markings or symbols are used, from which the connection of the Company's name therewith may be, in the Company's judgment, reasonably inferred or implied without the prior written approval of the Company.

f. The customer is financially responsible for any and all costs and expenses involved in providing its services, including, but not limited to, the customer's premises equipment, program development, advertising, and promotional expenses. The customer is financially responsible for all facilities required to connect the customer's equipment to the Company's serving wire center, in accordance with all applicable rates and charges under the Company's tariff.

g. The customer's premises equipment shall be interconnected in accordance with the General Conditions and applicable rates as set forth in Section 7, Customer Provided Equipment. If the customer violates this requirement, the Company may disconnect the customer's service.

SPECIALIZED SERVICES

SERVICES FOR ENHANCED SERVICE PROVIDERS

D. REGULATIONS AND CONDITIONS (Continued)

2. Enhanced Service Provider's Obligations (Continued)

h. Customers subscribing to the services outlined in this Section of the Tariff, are required to subscribe to PBX facilities or Citizens Digital Centrex lines capable of supporting the enhanced service(s) being offered. Also, they may be required to subscribe to as many additional PBXs or Citizens Digital Centrex lines as, in the judgment of the Company, are required to adequately handle calls without impairing service to others.

i. The customer is responsible for disconnecting ESP Services ordered for its client(s), including those situations where the customer's client(s) no longer have service with the Company.

j. The customer is responsible for the payment of applicable charges for each forwarded call completed in conjunction with User Transfer Service.

3. Client Obligations

Charges are applicable to the client's line equipped with Call Forwarding Busy Line and/or No Answer - Fixed for each completed call between their call forwarding equipped line and the customer's number to which the call is forwarded.

4. Billing and Remittance

a. The Company will not make adjustments resulting from poor transmission quality caused by the customer's equipment.

b. The customer's services may be discontinued pursuant to the procedures set forth in Section 2 for failure to make full payment for the Company's services provided under this Tariff.

E. Rate and Charge Regulations

1. Any change to the customer's preselected telephone number to which client's telephone calls are redirected will incur applicable service ordering charges.

2. The ESP Bill Option as defined in this Section of the Tariff may only be exercised by a customer utilizing ESP Services to offer an enhanced service.

3. Unless otherwise indicated, services available to Citizens Digital Centrex customers will be billed in accordance with the rates, charges, and conditions included in the Citizens Digital Centrex Tariff as described in Section 7.

SPECIALIZED SERVICES

SERVICES FOR ENHANCED SERVICE PROVIDERS

F. RATES AND CHARGES

| | Billing Code | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| 1. Call Forwarding Busy Line - Fixed Per Client Line Arranged | -- | | ** |
| 2. Call Forwarding No Answer - Fixed Per Client Line Arranged | -- | * | ** |
| 3. Call Forwarding Busy/ No Answer - Fixed Per Client Line Arranged | -- | * | ** |
| 4. Message Waiting Indication - Audible Per Client Line Arranged | -- | $1.00 | ** |
| 5. Message Waiting Indication-Visual Per Client Line Arranged | -- | $1.00 | ** |

* For applicable rates, charges, and definitions, refer to Section 5, Custom Calling Services, of this Tariff.
** Service charges as shown in Section 6 of this Tariff will apply when services are added or rearranged on an existing line.

SPECIALIZED SERVICES

SERVICES FOR ENHANCED SERVICE PROVIDERS

F. RATES AND CHARGES (Continued)

| | Billing Code | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| 6. Forwarded Call Information-Intraoffice Per Client Line Arranged | -- | $1.00 | ** |
| 7 Data Link Per Data Link Arranged | -- | 350.00 | $500.00 |
| 8. Queuing Per Citizens Digital Centrex Line or Trunk Arranged | -- | 1.50 | ** |
| 9. User-Transfer Per Citizens Digital Centrex Line or Trunk Arranged | -- | 1.50 | ** |
| 10. When services as shown in F.3., F.4, F.5 and F.6, are ordered one each in a package for an individual subscriber's line | -- | 2.00 | ** |

SPECIALIZED SERVICES

BILLED NUMBER SCREENING SERVICE

A. GENERAL

1. Billed Number Screening Service is available to subscribers of the Company's local exchange services. This service prevents the billing of collect calls, third number billed calls or both to a customer's telephone account.

2. The Company makes no guarantee and assumes no liability for the accuracy of Billed Number Screening Service. The customer agrees fully and completely to indemnify and save harmless the Company, its successors and assigns, from and against any and every claim, loss, damage, suit or liability arising out of the furnishing or failure to furnish Billed Number Screening Service.

3. Billed Number Screening Service is offered subject to the availability of suitable facilities.

4. The minimum contract period for Billed Number Screening Service is one month.

B. RATES

1. The following rates and charges apply to the provisioning of Billed Number Screening Service and are in addition to all other applicable charges as specified elsewhere in the Company's tariffs.

| | Billing Code | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| a. Option 1 - No Collect or Third Number Billing, | | | |
| per line screened | COIN1 | $ 0.00 | * |
| per COPTS line screened | | .29 | * |
| b. Option 2 - No Third Number Billing, | | | |
| per line screened | COIN1 | 0.00 | * |
| per COPTS line screened | | .29 | * |
| c. Option 3 - No Collect Billing, | | | |
| per line screened | COIN1 | 0.00 | * |
| per COPTS line screened-- | | .29 | * |

* A Subsequent Service Order charge applies as specified elsewhere in this Section of the Tariff.

SPECIALIZED SERVICES

Reserved for Future Use (T)

(M)

(M)

SPECIALIZED SERVICES

Reserved for Future Use (T)

(M)

(M)

SPECIALIZED SERVICES

AUTOMATIC REMINDER SERVICE (1)

A. General

1. Automatic Reminder features allow the customer to program the Digital Central Office (DCO) to initiate a reminder call on their access line.

2. The features in the customer controllable program enables the customer to perform the following functions:

   a. Determine the time(s) the access line is to be activated.

   b. Determine the number of rings (2 to 20) to be made before the call is canceled.

   c. Change either reminder time.

   d. Cancel the feature.

3. Automatic Reminder Service is available only through central offices, which, at the Company's option, are appropriately equipped.

4. There is no charge to cancel the feature.

B. Rates

1. Service Charges as specified in Section 6 of this Tariff apply except the Company may waive certain applicable service charges during special promotions being conducted from time-to-time to market the service.

| | Billing Code | Monthly Rate |
|---|---|---|
| 2. Each Equipped Access Line | -- | $1.85 |

(1) This service is limited to existing customers at existing locations.

SPECIALIZED SERVICES

AUTOMATIC REMINDER SERVICE

C. Conditions

1. This service is compatible with all Custom Calling features. The following exceptions apply:

   a. Reminder calls will not be forwarded even though Call Forwarding might be active on the line.

   b. A reminder call will not Call Wait on another call (i.e., if the line is busy, the reminder call will be rescheduled for seven minutes later).

   c. Three Way Calling cannot be activated from a reminder call (i.e., the customer cannot hookflash from the reminder call and make another call).

   d. Speed Calling has no effect on Automatic Reminder Service.

SPECIALIZED SERVICES

FIXED CALL SERVICE (1)

A. General

1. Fixed Call Service provides rerouting for incoming calls when the called line is not answered within a predetermined length of time, as defined by ring count (selectable by customer).

2. Forwarded calls are always routed to the same preassigned destination within the digital central office system, which can be another station line, answering service, etc.

3. Should the forwarded-to line be busy, the called line continues to ring, and the timer is reset for additional forwarding attempts. The customer cannot change this feature.

B. Rates

1. Service charges as specified apply pursuant to Item D. following:

| | Billing Code | Monthly Rate |
|---|---|---|
| 2. Each equipped Access Line | -- | $2.80 |

C. Conditions

1. Fixed Call Service is offered where facilities and operating conditions permit.

2. The customer is responsible for third party and collect calls.

3. All general rules, regulations and definitions applicable to local exchange service as set forth in Tariff Section 2, GENERAL REGULATIONS and Section 3, DEFINITIONS also apply to this service.

D. Promotional Options

1. At the option of the Company and upon approval of the Commission, during specific promotional periods, service connection charges may be waived in total or in part.

(1) This service is limited to existing customers at existing locations.

SPECIALIZED SERVICES

NUMBER REFERRAL

A. General

Number Referral Service is an optional intercept service which provides the caller of a disconnected number information on where the disconnected customer can be reached. This is accomplished through an automated intercept system.

B. Regulations

1. Number Referral Service is provided to residential and business customers where facilities permit.

2. The disconnected number will be kept idle for the customer's selected period of referral unless the Company determines it is necessary to reassign. This service will only be provided for up to 90 days from date of disconnection.

3. When the customer does not subscribe to the Company's Number Referral Service, a recorded intercept announcement will be given by the company which states that the called number has been disconnected. No further information is provided about the called number. There is no charge for this recorded intercept.

4. The subsequent service order charge will not be applied to subscribers of this service.

5. Customer's disconnected for non-payment will not be eligible to participate in this service

C. Rates

The following non–recurring rates apply for Number Referral Service:

30-Day Period (11/01/2024)
Residence: $0.00 (11/01/2024)
Business: $0.00 (11/01/2024)
Text Deleted (11/01/2024)

SPECIALIZED SERVICES

CITIZENS CyberDS1 SERVICE

A. REGULATIONS

1. Citizens CyberDS1 (CCD) is furnished subject to the availability of facilities from digital central office equipment located in a central office building owned or leased by the Company. Clear Channel Capability (B8ZS) will be provided where available.

2. CCD is available within an exchange where appropriate digital facilities are available as determined by the Company. Special Construction Charges as specified in Section 3 of this Tariff may be applicable.

3. All CCD must be channelized in a single equipment location on a customer's premises. CCD cannot be split between premises, or multiple locations within a premise. Standard network interfaces, without Integrated Services Digital Network (ISDN) signaling and without any line type features, will be provided by the Company for analog and digital services consistent with existing practices.

4. The technical specifications and standard network interface for DS1 and associated channelized services are stated in Section 7000 of the Technical Interface Reference Manual.

B. DEFINITIONS

Channel Service Unit (CSU) – The term CSU denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

CyberDS1 Capacity – A DS1 signal between the customer premises and the central office. This digital link can be used to transport switched data services. CCD is available in increments of 24 digital channels.

DS0 – The term DS0 denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps transmission bit rate signal; however, customer transmitted bit rates are limited to 56 Kbps. The required format and interface specifications are stated in Section 7000 of the Technical Interface Reference Manual.

DS1 – The term DS1 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate and provides for the two-way simultaneous transmission of isochronous timed bit stream format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are stated in Section 7000 of the Technical Interface Reference Manual.

SPECIALIZED SERVICES

CITIZENS CyberDS1 SERVICE

C. APPLICATION OF RATES

1. The CyberDS1 Capacity rate is applicable to each CyberDS1.

2. The CyberDS1 Capacity element provides for the network facility to the customer premises and the Central office channelization.

3. Transfer of service responsibility between customer is permitted subject to the rules and regulations as specified in this Tariff.

4. Unless specified herein, rules and regulations contained elsewhere in this Tariff are also applicable to CyberDS1 Service.

D. RATES AND CHARGES

| | Monthly Rate | IOSC | Nonrecurring Charge | IOSC |
|---|---|---|---|---|
| CyberDS1 Capacity, each | $ 750.00 | 00148 | $ 500.00 | 00149 |

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (02/16/2022)

A. GENERAL

Digital (ISDN) Single Line Service is a local exchange telecommunications service available only to customers served from suitably equipped central offices where operating conditions permit. Digital (ISDN) Single Line Service is provided via Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) technology. It is a central office based service arrangement, which consists of host central office interface equipment and software located on Company premises. This service provides local exchange access, interexchange access, and features.

B. DESCRIPTION OF SERVICE

1. Digital (ISDN) Single Line Service is composed of the following elements:

   - Single Line Access (excludes local loop, includes B-voice/CSD on each B channel), Flat or Measured rate

   - Line/Channel Configuration - choose one or a combination of:
     B-Voice/CSD,
     D-Packet, per channel

   - Feature Packages (optional)

2. Digital (ISDN) Single Line Service is digital exchange service.

3. Each Packaged Service is associated with a digital local loop, not with a channel.

4. Each digital local loop is arranged with a B-Channel or D-Channel configuration, or both a B-Channel and D-Channel configuration.

5. Digital (ISDN) Single Line Access is a service, which terminates a digital local loop at the central office and permits access to the exchange network. Only one Digital (ISDN) Single Line Access element is required for each digital local loop.

6. A Digital (ISDN) Single Line Access arranges a digital local loop for an individual user.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

B. DESCRIPTION OF SERVICE (Continued)

7. Digital (ISDN) Single Line Access

   a. Digital (ISDN) Single Line Access provides support for connecting from one to eight terminals belonging to the same customer on an individual digital local line.

   b. More Than Two B-Channel Terminals on a BRI allows the user to place more than two B-Channel terminals on an interface. Because there are only two B-Channels on a BRI, only two terminals can use the B-Channels simultaneously. The maximum number of terminals that can share each BRI is eight. If there are two users on an interface, each user is allowed access to one B-Channel at any particular time. Both users are allowed access to the D-Channel.

   c. Up to six users can simultaneously share the same D-Channel of a D-Channel packet switching arrangement. Additional telephone numbers are required for each additional terminal.

   d. A maximum of eight terminals belonging to the same customer are permitted per Digital Single line.

8. The B-Voice/Circuit Switched Data Channel (B-V/CSD) assigns voice and circuit switched data traffic to two B-Channels of a digital local line. The CSD mode operates at a maximum speed of 64 kbps (Switched 64 kbps) but may be used at a speed of 56 kbps (Switched 56 kbps).

9. Additional Telephone Numbers

   Up to two primary telephone numbers are provided with each activated Digital (ISDN) Single Line one for each of two channels. If an additional telephone number is required on either channel, an additional number charge applies for each additional number. The additional telephone numbers are available at the rate shown in this section. Additional telephone numbers may be published in the directory at the additional listing rates as specified in Section 5.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

C. CONDITIONS

1. Services offered in accordance with this tariff are provided exclusively from central offices equipped with digital facilities. The availability of services and ability to provide services may vary among serving central offices. Digital (ISDN) Single Line services will be provided where central office capabilities and conditions permit.

2. Customer-provided equipment used in conjunction with services provided in accordance with this tariff must conform with the technical specifications of the Company. ISDN CPE is dependent upon commercial power. In the event commercial power is interrupted for any reason, the CPE will be rendered inoperable.

3. The Company may change telecommunications services, equipment, operations, or procedures while remaining consistent with the Federal Communications Commission's Rules and Regulations. If changes cause a customer's equipment or communications system to become incompatible with services or if changes cause terminal equipment to require modification or become less effective, the Company shall not be responsible.

4. Customer requested temporary disconnections of Digital (ISDN) Single Line services are not permitted (e.g. vacation/seasonal service).

5. A customer may order multiple Single Lines.

6. Data sent to interexchange carriers over B-V/CSD Channels in the CSD mode can be transmitted at either 64 kbps or 56 kbps. (Some interexchange carriers do not offer transmission at 64 kbps).

7. The D-Packet Switched Data Channel allows transmission of packet-switched data over a D-Channel. Subscription to a D-Packet Service without subscription to B-Channel Service is permitted.

8. A change in service from a basic exchange service to Digital (ISDN) Single Line service is a discontinuation of service and an establishment of service and will cause a temporary interruption of service. All applicable installation and service connection charges and all charges applicable to the establishment of Digital (ISDN) Single Line services apply. Termination liabilities will not apply to these changes if the customer subscribes to an equivalent or greater amount of service.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

C. CONDITIONS (Continued)

9. Private Line arrangements or Special Access Services connected with Digital Single Line Service are subject to rates, rules, and conditions as set forth in the appropriate tariffs.

10. When Digital ISDN Single Line Service is desired at a customer location that is not an ISDN capable central office; the service will be provisioned from a central office that can support Citizens Digital Centrex (ISDN) Service. If the central office is within the same serving exchange as the customer, Foreign Switching Office mileage charges are NOT applicable.

11. If Digital (ISDN) Single Line Service will be provisioned as Foreign Exchange service, the FX rates in this tariff are applicable. The FX rates as stated in the Company's tariffs are applicable ONLY for the provisioning of ISDN in exchanges not facilitated, at this time, to provide the service.

12. One bill will be rendered for each Digital (ISDN) Single Line Service.

13. Digital (ISDN) Single Line Service is offered on a contractual basis commencing on the date the service is established.

14. Digital (ISDN) Single Line Service Access and Feature Package rates apply each month from the time the system is placed in service until the Digital Single Line Service is discontinued.

15. If remote units are required to provide switching capabilities for intracommunication purposes, they will be located on Company provided sites located on the customer's premises. Any remote units and all system cabling used in association with Digital Single Line Service are provided by and remain the property of the Company.

16. Rates and charges for Digital (ISDN) Single Line Service contemplate the use of central office equipment selected by the Company. When special central office equipment or features are provided at the request of the customer, special assembly rates and charges may be applied in addition to those shown herein.

17. A minimum service period of three months is required for each ISDN Single Line service.

18. Certain optional feature capabilities may not be compatible with other Feature Packages or Optional System features.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

C. CONDITIONS (Continued)

19. Space Requirements

a. Suitable and sufficient space for any remote units required shall be leased by the Company from the customer.

b. Suitable space includes provisions for atmospheric control and encompasses the following environmental requirements:

- Dust free
- Controlled temperatures ranging from 50o to 86o Fahrenheit, with consideration given to heat loss and/or gain of the equipment
- Relative humidity of 20% minimum and 55% maximum

c. Commercial power necessary to operate the remote units, if required, shall be provided by the customer and located on the customer's premises.

20. Termination Liability

a. In the event Digital (ISDN) Single Line Service is terminated by the customer prior to completion of the initial 12 or 36-month contract period, the customer shall be liable for the termination liability. The customer shall be required to pay a sum determined by the following formula:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Termination Liability Charge | = | 25% x | (Number of lines terminated | x | Monthly Rate per line | x | Number of Remaining months) |

b. A Digital (ISDN) Single Line customer may at any time renew a contract for an equal or longer period at the current tariffed rates subject to the following conditions:

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

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

C. CONDITIONS (Continued)

21. Individual Line Loop Extension

a. Digital (ISDN) Single Line Individual Line Loop Extension provides a physical extension of the Digital (ISDN) Single Line loop from approximately 18,000 feet to approximately 36,000 feet (These distances are for planning purposes. The actual distances are dependent on decibel (dB) loss and not just physical loop length.) This physical extension is accomplished by means of a CO installed power module and an outside plant installed regenerator or U-Repeater.

b. The deployment method is based on dB loss and not on specific cable footage. The vendor installation information indicates that up to a 34-dB loss at 40 kHz in either direction of the field repeater is acceptable. With the Citizens Communications engineering practice of maximum loss for the Digital (ISDN) Single Line loop to be 38 dB at 40 kHz, it is assumed, if the customer's distance would exceed the 38 dB for standard installation, the U-Repeater would be mounted within the stated range of 34 dB and the customer's length would be extended another 34 dB from the U-Repeater installation point. Only one power module and U-Repeater can be used per Digital (ISDN) Single Line.

c. The customer's network access line is preengineered to determine when the U-Repeater/power module are required. The power module is designed to be used only with the U-Repeater and the repeater can only be used with the power module.

d. One interexchange carrier must be selected for all voice and circuit switched data telephone numbers associated with the same digital local loop, however 10XXX or 101XXXX access to other Carriers is provided. A separate interexchange carrier may be chosen for packet service.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED

1. Custom Calling Service features and packages are available in addition to the following packages, (Refer to footnote (1) below).

   Definitions and rates of the Custom Calling Service features and packages are provided in Section 5 of this Tariff.

2. Feature Matrices

   The following feature matrices indicate the availability of each feature with Digital (ISDN) Single Line Service.

| Basic Operating Features (1) | Digital |
|---|---|
| Feature Name | |
| Caller ID Number Delivery | X |
| DN Sharing over Multiple Call Types on an Integrated Terminal | X |
| More than Two B-Channel Terminals per BRI | X |
| Parameter Downloading | X |

(1) An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Single Line may subscribe to a Custom Calling Service feature package, not Digital (ISDN) Single Line Multibutton Key Set (MBKS) feature packages. A MBKS feature package may be supplemented with Custom Calling Service feature packages by adding those packages to the Digital (ISDN) Single Line rate. Rates and charges will apply as stated in Section 5 of this tariff.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

2. Feature Matrices (Continued)

a. Voice Package Features and CSD Services (1)

| Feature Name | MBKS BASIC |
|---|---|
| Access to Analog Features (TR-847) | |
| Speed Calling - Short List | X |
| Additional Call Offering (TR-857) | |
| ACO Unrestricted | X |
| Notification Busy Limit | X |
| Additional Numbers (2) | |
| Automatic Callback Intra-Switch (TR-855) | X |
| Call Forwarding | |
| Don't Answer | X |
| Busy | X |
| Variable | X |
| Courtesy Call | X |
| Privacy of Redirecting Number | X |
| Redirecting Number | X |
| Redirecting Reason | X |
| Reminder Notification | X |
| Call Hold (TR-856) | |
| B-Channel Reservation | X |
| Hold and Retrieve | X |
| Calling Number Delivery Services (TR-860) | |
| Calling Name Delivery (TR-1326) (2) | |
| Calling Party Number Privacy | X |
| Calling Number Identification Delivery | X |
| Privacy of Redirecting Number | X |
| Redirecting Number | X |
| Redirecting Reason | X |

(1) Custom Calling Service Packages can be used with Digital (ISDN) Single Line Service.
(2) Optional.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

2. Feature Matrices (Continued)

a. Voice Package Features and CSD Services (1)

| Feature Name | MBKS BASIC |
|---|---|
| Flexible Calling (TR-858) | |
| Add on | X |
| Add Previously Held Call to Conference | X |
| Conference Hold and Retrieve | X |
| Consultation Hold | X |
| Drop Last Call on Conference | X |
| Implicit and/or Explicit Transfer | X |
| Six Party Conference Calling | X |
| Three Way Conference Calling | X |
| Manual Bridged Call Exclusion | X |
| Multiline Hunt Groups (TR-859) | |
| Make Busy (2) | |
| Stop Hunt (2) | |
| Terminal Management (5E Custom) | |
| Feature Function Buttons | X |
| Feature Inspect | X |
| Multiple Directory Number Buttons | X |
| Terminal Management | X |
| Time and Date Display | X |

(1) Custom Calling Service Packages can be used with Digital (ISDN) Single Line Service.
(2) Optional.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

2. Feature Matrices (Continued)

b. Data Package and Features

| Feature Name | Citizens ISDN Option 1 | Citizens ISDN Option 2 | X.25 BASIC | X.25 DELUXE |
|---|---|---|---|---|
| Data Speed Call - Short List | X | X | | |
| Data Call Forward | X | X | | |
| Data Toll Restriction | X | X | | |
| Data Multi-Line Hunt Group | X | X | | |
| Data Circular Hunt | X | | | |
| Data Speed Call - Long List | | X | | |
| X25 Assignment of Non-Hunt DNs to Hunt Terminals | | | X | X |
| X.25 CCITT DTE Facilities | | | X | X |
| X.25 Closed User Groups | | | X | |
| X.25 Fast Select | | | X | |
| X.25 Fast Select Acceptance | | | X | |
| X.25 Flow control Parameters Negotiation | | | X | X |
| X.25 Hunt Groups | | | X | |
| X.25 IC Preselection | | | X | X |
| X.25 Inband CNID | | | X | X |
| X.25 Incoming Calls Barred | | | X | X |
| X.25 ISDN AMA | | | X | |
| X.25 Numbering and Routing | | | X | X |
| X.25 One-Way Outgoing Logical Channel | | | X | |
| X.25 Outgoing Calls Barred | | | X | X |
| X.25 Permanent Virtual Circuit | | | X | |
| X.25 Reverse Charge | | | X | X |
| X.25 Reverse Charge Acceptance | | | X | X |
| X.25 RPOA Selection (Basic) | | | X | X |
| X.25 Sup Svcs User Testing | | | X | X |
| X.25 Throughput Class Negotiation | | | X | X |
| X.25 Transmit Delay Selection/Indication | | | X | |
| X.25 User Access to Both B-Channel and D-Channel | | | X | X |
| X.25 User Originated On-Demand B-Channel and D-Channel | | | X | X |

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

3. General Definitions

B-Channel (Bearer Channel) - A channel used to carry digitized voice and data information at a speed of 64 kbps.

Basic Rate Interface (BRI) - BRI supports two 64 kilobits per second (kbps) B-Channels and one 16 kbps D-Channel (2B+D).

Clear Channel Capability - The capability to transport 64 kbps over a channel with no constraint on the quantity or on the sequence of bits.

Channel - The electrical path provided by the Company between two or more terminating points for the transmission of information or intelligence.

D-Channel (Delta Channel) - A communications path that operates at 16 kbps in support of network control signals and 9.6 kbps X.25 packet data.

D-Packet - A service, which permits a customer to use a D-Channel for packet, switched data. Utilizes 9.6 of the 16 kbps on BRI ISDN D-Channel and allows for more than one data device.

Digital (ISDN) Single Line - Single Line Service provided by ISDN-BRI. One line includes 2 B-Channels and 1 D-Channel.

Digital (ISDN) Single Line Access - The central office termination of a BRI Line arranged for access to the public switched network.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

3. General Definitions (Continued)

Integrated Services Digital Network (ISDN) - A set of standards, which enable end-to-end digital transmission, access integration, and established standardization of points of interconnection over a single access line. End-to-end digital transmission eliminates the necessity for voice-band modems that use analog processing techniques. Access integration refers to utilizing a single ISDN line, whereby an end user over one line can access a wide variety of user information services such as voice, circuit switched data, and packet switched data.

Kbps - Kilobits Per Second.

Mbps - Megabits Per Second.

MBKS - Multibutton Key Set.

Parameter Downloading - allows automatic downloading from the Telephone Company switch to the user's terminal of parameters that need to be set for initialization of the terminal. To end-users, Parameter Downloading will be seen as an option. That is, users who do not have the Parameter Downloading capability in their terminal equipment will still have the option of entering the parameters manually into their terminal.

User - A member of a business system.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

4. Basic Operating and MBKS Voice & CSD Service Descriptions

Access to Analog Features
Speed Calling (6 or 8 member list) - Allows a user to dial selected numbers using less digits than normally required. Each list can have up to six or eight numbers, depending on the serving Telco switch.

Additional Call Offering (Bellcore Reference TR-857)

Subfeatures:

Additional Call Offering (ACO) - Unrestricted - Provides notification to an ISDN user that a circuit mode call directed to that user is present at the serving switch, even though no B- Channel can be allocated for the call at that time. This notification allows user to free up a B- Channel (by clearing another call or putting another call on hold) and accept the ACO call, ignore the ACO call, or reject the ACO call.

Notification Busy Limit - The maximum number of calls that can be waiting against a particular Directory Number. The maximum is determined by the user's CPE parameters. Once the maximum is reached, the switch will no longer notify the user of another waiting call and will return busy treatment to the calling party.

Additional Numbers
Each Digital Single Line can support multiple directory numbers (DNs). Up to two primary DNs are provided with each activated ISDN line, one for each of two channels. If an additional DN is required on either channel, an additional number charge applies for each additional DN.

Automatic Callback Intra-switch (Bellcore Reference TR-855)-

Automatic Callback - Allows the user to press a function button or dial a code when a busy number is dialed. When the busy station becomes idle, a distinctive ring alerts the calling party so that if the calling party goes off-hook, the call is placed. This feature is only available when the called number and the calling number are served by the same switch.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

4. Basic Operating and MBKS Voice & CSD Service Descriptions (Continued)

Call Control (Bellcore Reference TR-268)

Directory Number (DN) Sharing over Multiple Call Types on an Integrated Terminal - Allows an integrated terminal (i.e., a terminal that supports more than one call type, such as speech, circuit-switched data, and packet-switched data) to have only one DN that can be used for all call types and can simultaneously access both B-Channels.

Call Forwarding (Bellcore Reference TR-853)

Subfeatures:
Call Forwarding Variable (CFV) -
Allows the user to forward all calls to another Directory Number (DN), regardless of whether the user's terminal status is busy or idle. The user also is able to deactivate CFV so that calls terminate normally. The user that activated CFV may receive a reminder notification, which indicates to the user that the feature is active and that a call has just been forwarded.

The following options are available for activating CFV:

- For Circuit-Mode Voice:
- Courtesy Call with Answer Required
- Courtesy Call with No Answer Required
- No Courtesy Call
- For Circuit-Mode Data:
- No Courtesy Call

Call Forwarding Busy (CFB) - Allows the user to forward to another DN all incoming calls when his terminal is busy. The user also is able to deactivate CFB so that calls will not be forwarded when the terminal is busy. Courtesy Call is not available for either Circuit-Mode Voice nor Circuit Mode Data.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

4. Basic Operating and MBKS Voice & CSD Service Descriptions (Continued)

Call Forwarding Don't Answer (CFDA) - Allows the user to forward calls to another DN when the user does not answer the call within a specified period of time, usually the equivalent of four rings. The user can also deactivate CFDA so that calls will not be forwarded. Courtesy Call is not available for either Circuit-Mode Voice nor Circuit Mode Data.

Courtesy Call - Allows the user to talk with the party at the remote (forwarded-to) DN when the CFV is activated to inform them that calls will be forwarded.

Redirecting Number - When a call is forwarded, both the calling number and one or more numbers from which the call was redirected will be forwarded. If a call is redirected multiple times, both the first and the last redirecting number will be delivered.

Redirecting Reason - On calls forwarded, the Redirecting Reason indicates to the user why a call was forwarded (e.g. because the CFV, CFB, or CFDA feature was active). When multiple forwardings occur, both the first and the last Redirecting Reasons will be delivered.

Privacy of Redirecting Number - On calls that are forwarded, the Redirecting Number is provided by the network. When the number that is doing the forwarding (redirecting) has requested privacy on a subscription basis, the privacy will be respected, and the redirecting number will not be delivered.

Reminder Notification - Indicates to the CFV user that the feature is active and that a call has just been forwarded. The reminder is typically one short ring as the call is being forwarded.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

4. Basic Operating and MBKS Voice & CSD Service Descriptions (Continued)

Call Hold (Bellcore Reference TR-856)

Subfeatures:

B-Channel Reservation (Excluding Release) - Used to insure that a user who places a call on hold will always have a B-Channel available to reconnect to the call on hold.

Hold and Retrieve - Allows a user to place a call on hold and make a B-Channel available for another call. After placing the call on hold, the user can: (1) retrieve the held call, or (2) drop the held call.

Calling Number Identification Services (Bellcore Reference TR-860)

Subfeatures:

Calling Name Delivery - Up to fifteen characters can be delivered, dependent on the availability of the calling party number and name. If the number is unavailable, then the name is also unavailable. Inter-switch delivery depends on SS7 connectivity between the originating and terminating switch.

Calling Party Number Privacy - Allows the user to invoke privacy on a per-call basis.

Calling Number Identification Delivery/Network Provided Number Delivery - Allows a user to receive the calling party's number on incoming calls. The default DN assigned to the terminal is used.

Redirecting Number - When a call is forwarded, both the calling number and one or more of the numbers from which the call was redirected are delivered. If a call is redirected multiple times, both the first and the last redirecting number will be delivered.

Redirecting Reason - On calls forwarded, the Redirecting Reason indicates to the user why a call was forwarded (e.g. because the CFV, CFB, or CFDA feature was active). When multiple forwardings occur, both the first and the last Redirecting Reasons will be delivered.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

4. Basic Operating and MBKS Voice & CSD Service Descriptions (Continued)

Manual Bridged Call Exclusion - The opposite of the Automatic Bridged Call Exclusion. EKTS users can bridge onto calls unless an EKTS user invokes privacy and, thus restricts bridging. Manual Bridged Call Exclusion is required to be activated/deactivated using one-button (i.e. toggle) operations.

More Than Two B-Channel Terminals on a BRI - Allows the user to place more than two B-Channel terminals on an interface. Because there are only two B-Channels on a BRI, only two terminals can use the B-Channels simultaneously. The maximum number of terminals that can share each BRI is eight. If there are two users on an interface, each user is allowed access to one B-Channel at any particular time. Both users are allowed access to the D- Channel.

Multiple Directory Numbers per Terminal - A given EKTS terminal can have access to more than one DN. Indicator lights show the status of the DN (idle, call on hold, call in progress, etc.)

Flexible Calling (Bellcore Reference TR-858)

Subfeatures:

Add On - This feature defines the process for adding new calls to a conference. The controller can request conferencing while (1) connected to a call and/or after one or more calls have been placed on hold or (2) while not associated with any existing calls. Either way, once the conference is established, additional calls can be added to the conference, up to the maximum allowed for that customer.

Add Previously Held Call to Conference - Allows the user to put a call on hold and then add the held call to a conference call.

Conference Hold and Retrieve - Allows a user to put a previously formed conference on hold while the establisher of the conference call dials the DN of the user to be added. Once dialing is finished, the user can retrieve the original conference from hold and merge the new user into the conference.

Consultation Hold - Allows the user that is establishing a three- or six port conference to speak with the user on the current call being established prior to adding that user to the conference.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

4. Basic Operating and MBKS Voice & CSD Service Descriptions (Continued)

Drop Last Call on Conference - Allows the user to remove the last user who was added onto the conference.

Implicit and/or Explicit Call Transfer - Allows the user to drop from an existing conference call and maintain the connection between the users remaining on the conference call. When transferring a non-conference call, however, the transferring user must remain on the call until the distant party answers. This is known as Explicit Call Transfer.

Six Party Conference Calling - Allows a user to add up to five other users together on a single bridge.

Three-way Conference Calling - Allows a user to add a third user to an already established call.

Multi-Line Hunt Groups (Bellcore Reference TR859)

Subfeatures:

Make Busy - Allows a member of a hunt group to make the DN appear busy, so that an incoming call will rotate to the next DN.

Stop Hunt - Allows a member of a hunt group to temporarily break one or more members of the normal hunt group away from the group, so that incoming calls stop hunting at a DN not at the end of the list.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

4. Basic Operating and MBKS Voice & CSD Service Descriptions (Continued)

Terminal Management

Sub-features:

Feature Function Buttons - This feature on the station set can be assigned to activate various features, eliminating the need to dial an activation code. Indicator lights show the activation/deactivation status of the features. The following features can be assigned to feature function buttons:

Automatic Callback
Call Forwarding
Call Pickup
Conference Calling
Drop
Hold
Manual Exclusion
Multiple Directory Number Buttons
Transfer

Feature Inspect - Provides service providers and end users who have display terminals with a method of determining the features and call appearances that are assigned to the buttons on a terminal. Inspecting a button is a two-step procedure. (1) the Inspect Feature button is depressed, and (2) the feature or call appearance button to be inspected is pressed. The feature assigned or, for call appearances, call related information is displayed.

Multiple Directory Number Buttons - Provides access to more than one directory number on the station set. Indicator lights show the status of the directory number.

Terminal Management - Provides a management function for the MBKS terminal and, therefore, is mostly transparent. However, the following capabilities impact the user:

- Adjunct Control
- Automatic Hold/Drop Preference
- Button Management
- Call Appearance Selection for Implicit Conference and Transfer
- Display for Ringing Call Appearances Only
- Feature Button Inspection
- Idle Call Appearance Preference

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

4. Basic Operating and MBKS Voice & CSD Service Descriptions (Continued)

Time and Date Display - A subscription feature for ISDN station set users. The Telco Switch provides the time and date to the ISDN station set.

5. Data Package Service Descriptions

a. Citizens ISDN Option I

Data Call Forward - allows a customer to forward incoming calls to another telephone number.

Data Multi-Line Hunt Group - provides sequential hunting among lines in a hunt group for calls to a pilot number.

Data Speed Call-Short List - allows speed calling over a Circuit Switched Data Channel. A short list allows storing up to eight numbers.

Data Toll Restriction - denies toll calls attempted from Circuit Switched Data Channels.

b. Citizens ISDN Option II - includes Citizens ISDN Option I plus:

Data Circular Hunting - searches for a vacant line in a hunt group for calls to a pilot number. The hunting starts from the idle line found by the previous hunt.

Data Speed Call-Long List - allows speed calling over a Circuit Switched Data Channel. A long list allows storing up to thirty numbers.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

5. Data Package Service Descriptions (Continued)

c. X.25 Basic Package

X.25 Flow Control Parameter Negotiation permits negotiation on a per call basis of the flow control parameters. This consists of automatically negotiating the maximum packet size and window size for each direction of data transmission.

X.25 Incoming Calls Barred prohibits a data terminal from terminating an incoming call.

X.25 Outgoing Calls Barred prohibits a data terminal from originating outgoing virtual calls.

X.25 Reverse Charge permits a called party to be billed for a call.

X.25 Reverse Charge Acceptance allows a called party to accept charges for incoming calls.

X.25 Throughput Class Negotiation allows the calling data terminal to request specific throughput classes in a call request package for both directions of data transmission.

X.25 Transmit Delay Selection and Indication allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

D. FEATURES OFFERED (Continued)

5. Data Package Service Descriptions (Continued)

d. X.25 Deluxe Package - Includes X.25 Basic Package plus the following:

X.25 Closed User Groups allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. A member cannot communicate with parties outside of the closed user group. Closed user groups are established by a service order. A user can belong to more than one closed user group.

X.25 Fast Select allows a data terminal to send as many as 128 bytes of data in addition to call setup and clearing packets.

X.25 Fast Select Acceptance allows transmitting incoming call packets with the fast select facility to a compatible destination terminal.

X.25 Hunt Groups allows grouping access lines so that a packet switched data call incoming to a hunt group is completed if there is an open channel on an access line within the hunt group. A Hunt Group is established by service order. Members of a Hunt Group can be distributed among the ISDN switching modules within the central office switch, but the Hunt Group cannot span switches. A Basic Rate Interface line within a Hunt Group can have its own address (individual line addressing) and can accept calls independent of the Hunt Group. A Hunt Group can have multiple group addresses.

X.25 One-Way Outgoing Logical Channel allows an ISDN subscriber to specify the number of channels to be used for originating calls.

X.25 Permanent Virtual Circuit allows packet switching to be implemented over a dedicated channel without needing call setup or clearing.

6. Individual Optional Service Descriptions

Data Direct Connect provides an automatic connection between a calling line that goes off hook and a predetermined telephone number.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

E. RATES AND CHARGES

1. Digital (ISDN) Single Line Access

a. Subscribers to this service are required to subscribe to either a one-party residence or business access line for the local loop component. Refer to Section 4 of this Tariff.

b. Home/Residence Digital (ISDN) Single Line Service

| | Billing Code | Monthly Rate (1) | Nonrecurring Charge (2) |
|---|---|---|---|
| 1) Option 1 - Flat Rate (Includes Single Line Access, B-Channels, Flat Rate Usage and ILLE) | | | |
| a) Month-to-Month | IBRIR | $88.50 | $200.00 |
| b) 12-Month Contract | IS921 | 58.50 | 100.00 |
| c) 36-Month Contract | IS925 | 38.50 | N/A |

(1) Rates do not include the Federal Subscriber Line Charge (Refer to FCC No.1).
(2) These Non-Recurring Charges will be assessed in lieu of Service Ordering and Line Connection Charges.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

E. RATES AND CHARGES (Continued)

1. Digital (ISDN) Single Line Access (Continued)

b. Home/Residence Digital (ISDN) Single Line Service (Continued)

| | Billing Code | Monthly Rate (1) | Nonrecurring Charge (2) |
|---|---|---|---|
| 2) Option 2 - Measured Rate Usage | | | |
| (Includes Single Line Access, B-Channels and ILLE) | | | |
| a) Month-to-Month | -- | $35.00 | $200.00 |
| b) 12-Month Contract | -- | 35.00 | 100.00 |
| c) 36-Month Contract | -- | 35.00 | N/A |
| PLUS applicable usage charges (3) per line of: | | | |
| a) Month-to-Month | | $.050 per minute | |
| b) Month Contract | | .040 per minute | |
| c) 36-Month Contract | | .030 per minute | |

(1) Rates do not include the Federal Subscriber Line Charge (Refer to FCC No.1).
(2) These Nonrecurring Charges will be assessed in lieu of Service Ordering and Line Connection Charges.
(3) Usage applies to all local, originating voice and circuit switched data calls. Applicable toll charges are in addition, as required.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

E. RATES AND CHARGES (Continued)

1. Digital (ISDN) Single Line Access (Continued)

c. Business Digital (ISDN) Single Line Service

| | Billing Code | Monthly Rate (1) | Nonrecurring Charge (2) |
|---|---|---|---|
| 1) Option 1 - Flat Rate (Includes Single Line Access, B-Channels, 400 Hour Block of Time and ILLE) | | | |
| a) Month-to-Month | -- | $88.50 | $200.00 |
| b) 12-Month Contract | IS923 | 58.50 | 100.00 |
| c) 36-Month Contract | IS924 | 38.50 | N/A |
| d) Overtime Usage Charge - $.05 per minute | | | |

(1) Rates do not include the Federal Subscriber Line Charge (Refer to FCC No.1).
(2) These Non-Recurring Charges will be assessed in lieu of Service Ordering and Line Connection Charges.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

E. RATES AND CHARGES (Continued)

1. Digital (ISDN) Single Line Access (Continued)

c. Business Digital (ISDN) Single Line Service

| | Billing Code | Monthly Rate (1) | Nonrecurring Charge (2) |
|---|---|---|---|
| 2) Option 2 - Measured Rate Usage (Includes Single Line Access, B-Channels and ILLE) | | | |
| a) Month-to-Month | IS947 | $35.00 | $200.00 |
| b) 12-Month Contract | IS921 | 35.00 | 100.00 |
| c) 36-Month Contract | IS922 | 35.00 | N/A |

PLUS applicable usage charges (3) per line of:

| | |
|---|---|
| Month-to-Month | $.050 per minute |
| 12-Month Contract | .040 per minute |
| 36-Month Contract | .030 per minute |

(1) Rates do not include the Federal Subscriber Line Charge (Refer to FCC No.1).
(2) These Nonrecurring Charges will be assessed in lieu of Service Ordering and Line Connection Charges.
(3) Usage applies to all local, originating voice and circuit switched data calls. Applicable toll charges are in addition, as required.

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)* (02/16/2022)

SINGLE LINE SERVICES* (Continued) (02/16/2022)

E. RATES AND CHARGES (Continued)

| | Billing Code | Monthly Rate | Nonrecurring Charge |
|---|---|---|---|
| 2. Channel Capability | | | |
| a. D-Packet, per channel | -- | $5.00 | $0.00 |
| 3. Feature Packaged Services | | | |
| a. Basic Operating per line | -- | 0.00 | 0.00 |
| b. MBKS Basic Svc, per line | -- | 6.00 | 25.00 |
| c. Citizens ISDN Option 1, per line | -- | 3.00 | 15.00 |
| d. Citizens ISDN Option 2 per line | -- | 5.00 | 15.00 |
| e. X.25 Basic, per line | -- | 0.00 | 0.00 |
| f. X.25 Deluxe Pkg., per line | -- | 5.00 | 15.00 |
| 4. Individual Optional Feature Rates | | | |
| a. Data Direct Connect, per line | -- | 1.00 | 0.00 |
| 5. Additional Directory Numbers | | | |
| a. each | -- | 2.00 | 0.00 |
| 6. Data Base Changes | | | |
| Software Changes, e.g., Add Line Features | -- | 0.00 | 25.00 |

* Integrated Services Digital Network Single Line Services and Integrated Services Digital Network-Basic Rate Interface is grandfathered and limited to existing customers at existing locations as of March 18, 2022. Moves, additions or changes will not be permitted. (02/16/2022)

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

A. GENERAL

1. Citizens Digital Channel Service (CDCS) is an intraexchange common line service, which integrates the transport of switched and dedicated services between a customer's premises and the local serving office. CDCS is provided on a channelized basis (DSO) over a single high-capacity (DS1) digital facility.

2. Citizens Digital Channel Service is provided in capacity increments of 24 digital channels within a single DS1 signal.

3. The following types of network services as specified in other tariffs are available on a channelized basis via CDCS. These services may be furnished on a link basis across multiple jurisdictions when connected with CDCS.

   a. Analog Voice Service (exchange lines/trunks), and Citizens Digital Centrex lines, foreign exchange, off-premises extensions, voice private lines and WATS.

4. CDCS is comprised of the following components:

   - Digital Channel Capacity
   - Service Activation

   a. The Digital Channel Capacity and Service Activation will be at the rates and charges as specified in this Tariff.

   b. Customer Premises Channelization is to be provided with premises equipment by the customer. Rules and regulations apply as specified in this Tariff.

   c. CDCS customers will have to select capacity in increments of 24 digital channels. Customers will be offered a Term Payment Plan of 12, 36, 60 or 84 months.

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

B. DIGITAL ARCHITECTURE

1. CDCS 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. This architecture is intended to promote more efficient connectivity of analog and digital networks in the future.

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

3. CDCS will be available on a digital basis at the network interface on a customer's premises. Traditional analog services, like off-premises stations, and automatic access lines, can be provided on a digital basis to a customer's premises by the Company when a customer desires them encoded in a DS1 bit stream. Under those conditions, they will be provided as DSO channels by the Company. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superseded by the electrical specifications of the 1.544 Mbps (DS1) channel, which is actually terminated. Each digital channel provided will have identity only as a "time slot" within a DS1 channel. Compatible digital to analog conversion equipment must be provided by the customer (optional) to derive the desired analog services. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer (optional).

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

C. DEFINITIONS

Digital Channel Capacity - A multifunctional DS1 signal between the customer premises and the central office. This digital link can be used to transport switched and dedicated services. This element acts as the transport medium for the service activations ordered by the customer. Digital Channel Capacity is available in increments of 24 digital channels.

Service Activation - A Service Activation is the connection between CDCS and the network service accessed.

Channel Service Unit (CSU) - The term CSU denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

DS0 - The term DSO denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps transmission bit rate signal; however, customer transmitted bit rates are limited to 56 Kbps. The required format and interface specifications are available from the Company. (Please refer to Section 7000 of the Technical Interface Reference Manual.)

DS1 - The term DS1 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate and provided for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are available from the Company. (Please refer to Section 7000 of the Technical Interface Reference Manual.)

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

D. REGULATIONS

1. CDCS is furnished subject to the availability of facilities from digital central office equipment located in a central office building owned or leased by the Company.

2. 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 as specified elsewhere in this Tariff may be applicable.

3. Special Transport Mileage will apply when a customer's request for CDCS is provisioned in a central office other than the customer's local serving office.

4. The customer may activate any number or combination of digital channels within the limitations as set forth in this Section. Digital channels may be activated coincident with installation or at any time subsequent to the Digital Channel Capacity installation. Once activated, the type of service provisioned on a digital channel is subject to a minimum service period of one month.

5. All CDCS must be channelized in a single equipment location on a customer's premises. CDCS cannot be split between premises, or multiple locations within a premises. Extensions (as specified in other sections of this Tariff) may be furnished on a link basis between multiple locations. Standard network interfaces will be provided by the Company for analog and digital services consistent with existing practices.

6. Individual digital channels may be activated and furnished on a link (partial channel) basis with service offered in other sections of this Tariff. The regulations, rates, and charges specified in this Tariff are applicable for the CDCS component of the customer's end-to-end service. The regulations, rates, and charges in other sections of this Tariff are applicable to the customer's interconnected services (i.e., private lines, etc.), for the non-CDCS component of the customer's end-to-end service.

7. 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, i.e., some channelizing equipment may require two DSO 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.

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

D. REGULATIONS (Continued)

8. Central Office channelization (component of Digital Channel Capacity) generally provides analog to digital conversion to permit individual exchange services and private line channel services to be transported over digital high capacity facilities. This channelization is also intended for use at Company or customer designated locations where different high capacity digital network links terminate in the same central office and must be converted to individual analog or digital channels before individual service links can be cross connected. Digital Channel Capacities are provided in-groups of 24 DSO channels, and are subject to the limits as set forth in the previous paragraph.

9. Customer Premises Channelization, provided by the customer, generally provides analog to digital conversion at a customer's premises. This allows individual exchange services and private line services to be transported over digital high capacity facilities.

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

11. Emerging technology, such as low bit rate voice multiplexing techniques, may permit additional quantities of individual channels to be channelized on a single DS1 signal. Equipment providing this capability does not generally assure compatibility between different manufacturers. Some equipment may not be suitable for data transmission or tandem network line application. Rates, charges, and availability of this equipment will be negotiated with the customer on an Individual Case Basis (ICB).

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

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

E. APPLICATION OF RATES

1. Two basic rate elements; Digital Channel Capacity and Service Activation are applicable to each CDCS.

2. The Digital Channel Capacity element provides for the mileage based transport and the central office channelization. Digital Channel Capacity is offered with 12, 36, 60, or 84-month Term Payment Plan periods.

3. 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.

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

5. Exchange and long-distance calling is provided within CDCS via the appropriate service activation. A network access charge will apply to each Service Activation that utilizes basic exchange access from the local serving office, except foreign exchange service. The network access charges when utilized for Citizens Digital Centrex will be ordered and billed as specified in this Tariff. This charge is in addition to all other applicable CDCS charges.

6. Rates and charges specified in other Tariff sections for services such as Extended Area Service (EAS), and DID/DIOD Trunk Termination Charge are in addition to the monthly rates for CDCS.

7. Subscriber Line Charges (SLC) are applicable to Citizens Digital Channel Service. Effective September 1, 2001, all “new” DCS facilities will be assessed one (1) SLC per activated channel. All existing DCS facilities will be assessed two (2) SLCs per Digital Channel Capacity (DS1) until September 1, 2002, at which time “all” DSC facilities will be assessed one (1) SLC per activated channel.

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

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

E. APPLICATION OF RATES (Continued)

9. Digital Channel Capacity is available under Term Payment Plans only for rate periods of 12, 36, 60 and 84 months. All elements of a Term Payment Plan will expire at the same time (be coterminous).

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

   b. Service Activation charges are available on a month-to-month basis.

   c. Individual network services (switched or dedicated) that are connected to CDCS are not available under the Term Payment Plan rate stability provisions. Those services are subject to their standard tariff provisions and minimum service periods as appropriate.

10. At the expiration date of the customer's selected Term Payment Plan period, the customer may continue service under a new Term Payment Plan at rates as specified in this Tariff.

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

    a. No Termination Liability Charge will be applicable for the Digital Channel Capacity when the customer renegotiates a new Term Payment Plan for the same equipment or larger system at the same location for a period of time greater than the time remaining on the existing Term Payment Plan, subject to payment periods contained in E.8.

    b. All CDCS Components are coterminous with the Digital Channel Capacity with which they are associated.

12. 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.

13. Transfer of service responsibility between customers is permitted subject to the Rules and Regulations as specified in this Tariff.

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

E. APPLICATION OF RATES (Continued)

14. Unless specified herein, the regulations contained elsewhere in this Tariff are applicable to CDCS. These regulations include but are not limited to:

    - Cancellation of Service
    - Application for Service
    - Payment Arrangements
    - Limitation of Liability

15. Should customers request interconnection between different CDCS provisioned in two or more different local serving offices, the special transport mileage rates will apply. This charge will apply in addition to CDCS charges for each customer's premises which CDCS is provisioned.

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

F. RATES AND CHARGES

1. Service Charges

a. Service Establishment Charge

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

2) This charge also applies to subsequent orders received to establish additional Digital Channel Capacity(s).

b. Service Change Charge

1) This charge applies on a per Digital Channel Capacity Service Activation basis associated with a customer request for modifications to an existing service. This would include activities such as, but not limited to:

- Change of associated channel assignment
- Additional supplemental features
- Activate/deactivate Service Activation

2) This Service Change Charge will be applied on a first and each additional basis and is in addition to Service Charges as specified in Section 6 of this Tariff.

| c. Charges | Billing Code | Nonrecurring Charges |
|---|---|---|
| 1) Service Establishment Charge | -- | $300.00 |
| 2) Service Change Charge | -- | 150.00 |

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

F. RATES AND CHARGES (Continued)

2. Digital Channel Capacity

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

a. Per 24 Channel System (1st or additional)

| | Term Contract* | Billing Code | Monthly Rate | Billing Code | Nonrecurring Charge |
|---|---|---|---|---|---|
| 1) | 12 Month | -- | $450.00 | -- | $250.00 |
| 2) | 36 Month | -- | $350.00 | -- | $250.00 |
| 3) | 60 Month | -- | $300.00 | -- | $250.00 |
| 4) | 84 Month | -- | $250.00 | -- | $250.00 |

Term Contracts of 24 months and 48 months are available only to existing customers who have been provided for CDCS on an Individual Case Basis (ICB).

SPECIALIZED SERVICES

CITIZENS DIGITAL CHANNEL SERVICE

F. RATES AND CHARGES (Continued)

| | Billing Code | Monthly Rate | Nonrecurring Charge | |
|---|---|---|---|---|
| 3. Service Activation, per channel basis | | | | |
| a. Exchange Line/Trunk (2) Local Calling Scope | -- | 15.00 | 0.00 | |
| 1) With EAS | (1) | 15.00 (1) | 0.00 | |
| b. Citizens Digital Centrex Line | -- | 13.50 | 0.00 | |
| 1) With EAS | (1) | 13.50 (1) | 0.00 | |
| c. FX, OPX, Tie Line WATS*, or Private Line | -- | 12.00 | 0.00 | (C) |
| 4. Subscriber Line Charge per activated channel | -- | See Tariff FCC No.1 | NA | |

(1) The rates for CDCS will be in addition to the EAS rate additives. Please refer to Section 4, for EAS rates and rate applications.

(2) The rates for DID/DIOD Trunk Termination will be in addition to Exchange Line/Trunk Service Activation Charges. The DID Trunk Termination rate is found in Section 7, Sheet 12, Item B.3. The DIOD Trunk Termination rate is found in Section 7, Sheet 15, Item C.1)b).

* Wide Area Telephone Service is grandfathered and limited to all existing subscribers at their existing locations. (N) (N)

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK - PRIMARY RATE INTERFACE (ISDN-PRI)

A. GENERAL

1. Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) is a central office based service arrangement that is an alternative for individual access services, such as Direct Inward Dialing (DID), Direct Outward Dialing (DOD), 800/877/888 Services, Wide Area Telecommunications Services, and local business trunks.

2. ISDN-PRI is provisioned on a clear channel 1.544 megabit per second (Mbps) facility and uses the ISDN architecture of 23 "B" channels and one "D" channel or 24 "B" channels to provide the customer with the capabilities of simultaneous access. Transmission and switching of services via channelized transport.

3. ISDN-PRI provides the capability to transport customer information up to 64 Kbps over any "B" channel. One "D" channel can control up to 20 PRI trunks. In these cases, a single "D" channel in one ISDN-PRI trunk handles all signaling and control functions of the other trunks in the arrangement, which allows supplemental trunks to consist of 24 "B" channels.

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK - PRIMARY RATE INTERFACE (ISDN-PRI)

B. REGULATIONS

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

2. The service is available from central offices that have the necessary facilities to provide ISDN-PR I service and the customers' serving wire center is ISDN-PRI capable. In the event, the serving central office is not so equipped, Citizens Communications will provide PRI service from an alternate local (or foreign) serving central office (determined by Citizens Communications), within the same calling scope at no additional charge to the customer.

3. This Tariff provides for PRI switching capabilities only and additional services must be subscribed to under separate sections of this Tariff. Each ISDN-PRI trunk group is provided with one telephone number. Additional numbers may be purchased at the rates specified in Section 7 for DID Service.

4. Customers under contract who disconnect PRI services before the expiration of the contract period, shall pay an early termination liability charge equal to the monthly rate times the number of months remaining in the contract.

5. During the initial contract period, the customer may add PRI services at the same monthly rate specified in the customer's original contract.

6. If a customer discontinues other Citizens Communications services and establishes ISDN-PRI that utilizes the same facilities (i.e., Digital Channel Service) the nonrecurring charge associated with the ISDN-PRI facilities (DS1 facilities) will be waived for the same quantity replaced by the ISDN-PRI facilities to which the customer currently subscribes. The nonrecurring charges associated with the ISDN-PRI access portion of the new service applies in all instances.

7. The PRI Subsequent Activity Charge (SAC) is applicable for any changes to customer configurations after the initial installation. The SAC is applicable per occurrence and not based on the number of trunks.

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK - PRIMARY RATE INTERFACE (ISDN-PRI)

C. ISDN-PRI Features

The following B-channel features are offered to the customer, at no additional charge:

1) Caller ID Number - is a standard feature within a system between an ISDN-PRI Service and a Citizens Digital Centrex/Centrex System or between two or more ISDN-PRI Services belonging to the same customer. Please refer to Section 5 of this Tariff for description.

2) Call-by-Call Service Selection - provides an option to the dedicated channel configuration by allowing channels to be configured to access multiple services on a per call basis. With this feature, separate channels are not required for individual services such as DID, DOD, WATS, 800/877/888 services, and local switched access lines.

3) Clear Channel Capability - allows the customer to transport 64 Kbps over the PRI channels with no constraint on the quantity or sequence of bits using the Bipolar with Eight Zero Substitution (B8ZS) method of providing bit sequence independence.

4) "D" Channel Back-Up - automatically takes over for a failed "D" channel in case of trouble. This may be subscribed to as part of a 23B+D Channel Back-Up arrangement.

5) Non-Facility Associated Signaling (NFAS) - allows the D-channel signaling entity to assign calls to channels on more than one interface (including the one containing the D-channel). The collection of these B-channels and the controlling D-channel is called a PRI group. Up to 20 DS1 Facilities can be assigned to a PRI group.

SPECIALIZED SERVICES

INTEGRATED SERVICES DIGITAL NETWORK - PRIMARY RATE INTERFACE (ISDN-PRI)

D. RATES AND CHARGES

| | | Monthly Rate | Billing Code | Nonrecurring Charge | Billing Code |
|---|---|---|---|---|---|
| 1. | Local PRI Facilities | (1) | | (1) | |
| 2. | ISDN-PRI Access | | | | |
| | Mound Exchange | | | | |
| | 12 Month Contract | $420.00 | -- | $500.00 | -- |
| | 36 Month Contract | 380.00 | -- | 500.00 | -- |
| | 60 Month Contract | 340.00 | -- | 500.00 | -- |
| | Maple Plain, Delano, Watertown, Mayer, St. Bonifacius and New Germany Exchanges | | | | |
| | 12 Month Contract | $541.00 | -- | $500.00 | -- |
| | 36 Month Contract | 501.00 | -- | 500.00 | -- |
| | 60 Month Contract | 461.00 | -- | 500.00 | -- |
| 3. | B. Channel Activations (DIOD, DOD, Voice, Analog, and Flat Rate) | | | | |
| | Mound, Maple Plain, | $37.24 | -- | -- | -- |
| | Delano | 50.15 | -- | -- | -- |
| | Watertown | 47.75 | -- | -- | -- |
| | Mayer | 53.83 | -- | -- | -- |
| | New Germany | 92.63 | -- | -- | -- |
| 4. | B Channel Activations - DID Only | | | | |
| | Mound, Maple Plain, St. Bonifacius | $22.24 | -- | -- | -- |
| | Delano | 35.15 | -- | -- | -- |
| | Watertown | 32.75 | -- | -- | -- |
| | Mayer | 38.83 | -- | -- | -- |
| | New Germany | 81.94 | -- | -- | -- |
| 5. | Subsequent Activity Charge | $200.00 | -- | -- | -- |

(1) Special Access Line (SAL) rates for 1.544 Mbps in Facilities for State Access Tariff, Section 5.7.

SPECIALIZED SERVICES

FRONTIER T-ADVANTAGE[sm] Digital Service

A General

1. FRONTIER T- ADVANTAGE[sm] is a form of digital common line service that provides 24 switched DS0 channels with integrated functionality over a single high-capacity DS1 digital facility.

2. The service includes the following functionalities:

   Direct Inward Dialing (DID) including 40 DID telephone numbers per increment of 24 DS0 channels.

   Direct Inward-Outward Dialing.

3. The service may be ordered to also include Primary Rate Interface Integrated Services Network (PRI ISDN) Service, as described elsewhere in this Tariff.

B. Regulations

1. FRONTIER T- ADVANTAGE[sm] is provided subject to availability of central office and cable and wire facilities.

2. The service is only available by term contracts for the periods designated below. If the tariffed term rate changes during the term of the contract, the contract rate will continue to apply during the remainder of the term. If the customer terminates the service prior to fulfillment of the contractual commitment, the customer shall pay a termination charge equal to the contract rate multiplied by the number of remaining months of the contractual commitment.

3. Each additional increment of 24 DS0 channels shall be ordered through separate contract.

4. Suspension of service, at no or reduced rate during suspension, is not available during the term of the contract.

5. FRONTIER T- ADVANTAGE[sm] is a service mark of Citizens Communications Company.

SPECIALIZED SERVICES

FRONTIER T-ADVANTAGE℠ Digital Service

C. Rates and Charges

1. Extended Area Service rates do not apply.

2. Service Connection Charges, as specified in Section 6, do not apply.

3. Unless otherwise specified, the following rates and charges are in addition to the rates and charges for other associated services.

| | Nonrecurring Charge | Monthly Rate | |
|---|---|---|---|
| a. FRONTIER T- ADVANTAGE℠ Digital Service, 24 Channels | | | |
| 1) One-Year Term | $1,650.00 (MDDDA) | $929.20 (MDDD1) | |
| 2) Two-Year Term | $1,235.00 (MDDDB) | $838.58 (MDDD2) | (I) |
| 3) Three-Year Term | None (MDDDC) | $723.58 (MDDD3) | (I) |
| b. FRONTIER T- ADVANTAGE℠ Digital Service, 24 Channels, with PRI ISDN (The rates and charges for PRI ISDN specified elsewhere in this Tariff do not also apply.) | | | |
| 1) One-Year Term | $1,950.00 (MDDDD) | $1,384.60 (MDDD4) | (I |
| 2) Two-Year Term | $1,465.00 (MDDDE) | $1,154.60 (MDDD5) | (I) |
| 3) Three-Year Term | None (MDDDF) | $1,039.60 (MDDD6) | (I) |

SPECIALIZED SERVICES

FRONTIER T-ADVANTAGE[sm] Digital Service

C. Rates and Charges (Continued)

3. (Continued)

c. Service Change Charge

| | |
|---|---|
| Applies to any change to the existing configuration of the service, per order | $150.00 (TACHG) |

d. Each additional block of 20 DID telephone numbers, after the first 40 DID numbers in a 24-channel facility, per month

| | |
|---|---|
| | $5.00 (DIDA2) |

SPECIALIZED SERVICES

Business Traffic Study Service

A. General

1. Business Traffic Study Service provides performance reports of call capacity for originating and terminating traffic on access lines, trunk groups or hunt groups. The traffic study report enables business customers to determine how many calls terminate successfully compared with the number of calls that reach a station- busy condition.

B. Regulations

1. At the customer's request traffic studies will be performed on access lines, trunk groups or hunt groups that are provided by the Company.

2. A separate traffic study report is required for each access line, hunt line, or trunk group.

3. Business Traffic Study Service is available to business customers and only where technically feasible.

4. Traffic study detail requested by the customer will be limited to calls that originate or terminate on the Company's network.

5. Studies will not be performed on toll-free or pay-per-call type telephone numbers.

6. Studies are done in 7-day intervals.

7. Types of studies include (but are not limited to):
   Line or Trunk Study
   Remote Call Forwarding Study
   Multi-line Hunt Group Study

C. Rates and Charges

| | |
|---|---|
| Set up Charge and first week per access line or trunk group | $60.00 |
| Each additional week per access line or trunk group | $25.00 |

CITIZENS BUNDLED SERVICES
INDEX

| | Sheet Number |
|---|---|
| Citizens Select* | 1 |
| Citizens Select Plus* | 2 |
| Citizens Business Bundle – Grandfathered (02/03/2022) | 5 |
| Frontier Choices[sm] Tier Bundles - Grandfathered | 8 |
| FrontierWorks[sm] Small Business Solutions | 13 |
| FrontierWorks[sm] Business Connections | 24 |
| Frontier Small Business Advantage[sm] – Grandfathered (02/03/2022) | 35 |
| Frontier Digital Phone Service* | 41 |
| Frontier Business Unlimited Service – Grandfathered (02/03/2022) | 43 |
| Frontier Digital Phone Bronze - Grandfathered | 45 |
| Stay Connected Seasonal Offering – Grandfathered | 47 |
| Frontier Business Essentials – Grandfathered (02/03/2022) | 48 |
| Frontier Digital Phone Plus Service* | 50 |
| Frontier Business Metro – Grandfathered (02/03/2022) | 52 |
| Frontier Digital Phone 100* | 54 |
| Frontier Digital Phone Essentials 1 - 2010 - Grandfathered | 56 |
| Frontier Digital Phone Nationwide Unlimited with Essentials 1 - 2010 Grandfathered | 62 |
| Frontier Digital Phone Nationwide Unlimited with Essentials 4 – 2010 Grandfathered | 64 |

CITIZENS BUNDLED SERVICES
INDEX

| | Sheet Number |
|---|---|
| Frontier Digital Phone Nationwide Unlimited Plus with Essentials 1 -2010 Grandfathered | 62 |
| Frontier Digital Phone Nationwide Unlimited Plus with Essentials 4 – 2010 Grandfathered | 64 |
| Frontier Business Nationwide Unlimited Service I | 66 |
| Frontier Business Nationwide Unlimited Service II – Grandfathered (02/03/2022) | 68 |
| Frontier Business Local Unlimited I | 70 |
| Frontier Business Local Unlimited II | 72 |
| ISDN - Primary Rate Interface (ISDN-PRI) Bundle | 74 |
| Frontier Digital Phone Essentials – Grandfathered (11/25/2024) | 77 |
| Frontier Digital Phone Unlimited – Grandfathered (11/25/2024) | 79 |
| Frontier Digital Phone Unlimited Plus – Grandfathered (11/25/2024) | 81 |
| Frontier Simply Unlimited Service | 83 |
| Frontier OneVoice | 85 |
| Frontier Digital Phone Unlimited (Challenger) – Grandfathered (11/25/2024) | 89 |
| Frontier Digital Phone Unlimited Plus (Challenger) – Grandfathered (11/25/2024) | 91 |
| Frontier Residential Unlimited Voice Service | 93 |
| Frontier Unlimited Voice and Feature Bundle | 95 |

## CITIZENS BUNDLED SERVICES

A. Citizens Select* (T)

1. General

(A) Citizens Select plans provide a flat rate residential access line and services/features as listed in the specific plans. Residential customers subscribing to one of the following packages is entitled to unlimited use of the selected services/features.

(B) Citizens Select

Customer subscribing to this plan may select up to seven (7) features from the following list:

- Call Forward
- Call Forward Busy Line
- Call Forward No Answer
- Call Waiting
- Caller ID w/Number(1)
- Caller ID w/Name and Number(1)
- Distinctive Ring
- Speed Call 8
- Three Way Calling
- *69 (Auto Call Return)
- *66 (Auto Redial)

Note 1: May select only one Caller ID feature.

*This service offering is limited to all existing subscribers at their existing locations. (N)

**CITIZENS BUNDLED SERVICES**

A. Citizens Select* (Continued) (T)

1. General (Continued)

(C) Citizens Select Plus

Customers subscribing to this plan may select any or all of the following services/features.

- Call Forward
- Call Forward Busy Line
- Call Forward No Answer
- Call Waiting
- Call Waiting - ID
- Caller ID w/Number(1)
- Caller ID w/Name and Number(1)
- Distinctive Ring
- Selective Call Acceptance
- Speed Call 8(2)
- Speed Call 30(2)
- Three Way Calling
- Toll Restriction
- VIP Alert
- *69 (Auto Call Return)
- *66 (Auto Redial)

Note 1: May select only one Caller ID feature.
Note 2: May select only one Speed Call feature.

*This service offering is limited to all existing subscribers at their existing locations. (N)

## CITIZENS BUNDLED SERVICES

A. Citizens Select* (Continued) (T)

1. General (Continued)

(D) All rules, regulations and limitations as specified elsewhere in this Tariff for the respective services/features requested in a Citizens Select plan shall apply.

(E) Citizens Bundled Services are limited to those areas served by central offices which are specifically equipped to provide such services and have the available suitable facilities.

2. Rates and Charges

(A) The Company will offer a promotional waiver of the Service Order - Subsequent Order Nonrecurring Charge as specified in Section 6 for a period of ninety (90) days from October 1, 2001. The waiver applies to the initial request for a Citizens Select plan(s) in association with an existing, additional or move from one location to another for a residential individual flat rate line. After the waiver period the applicable service order charge mentioned above will apply to a request for a Citizens Select plan.

(B) Service Charges are not applicable for a Citizens Select plan provided at the same time as the initial installation for a residence individual flat rate line service.

(C) Service Charges as specified in Section 6 of this Tariff do not apply for customer requests involving only additions, deletions or changes to the services/features of an existing Citizen Select plan.

(D) Existing Citizens Select customers cannot take advantage of promotions for any of the services/features specified in S8 A 1 (B)(C), preceding unless specifically allowed by the terms and conditions of the promotion.

(E) When a Citizens Select plan is provided at the same time as the installation or move of Residential Local Exchange Service, the customer will receive a one-time $10.00 credit per line for each line on which the plan is ordered.

*This service offering is limited to all existing subscribers at their existing locations. (N)

**CITIZENS BUNDLED SERVICES**

A. Citizens Select* (Continued) (T)

2. Rates and Charges (Continued)

(F) Citizens Select plans are provided at the following rates.

| | MONTHLY RATE | MONTHLY RATE |
|---|---|---|
| Citizens Select | | |
| • Per individual flat rate residence line – Includes choice of up to 7 services/features as specified in S8.1 (B), preceding. | $28.96 | $36.20 |
| Citizens Select Plus | | |
| • Per individual flat rate residence line – May select any or all services/features as specified in S8.1 (C), preceding. | $32.96 | $40.20 |

*NOTE: Rate Group 2 exchanges include Delano, Lindstrom, Maple Plain, Mayer, Mound, New Germany, St. Bonifacius, Scandia-Marine, Watertown and Wyoming. All others are classified as Rate Group 1.

*This service offering is limited to all existing subscribers at their existing locations. (N)

## CITIZENS BUNDLED SERVICES

B. Citizens Business Bundle* (02/03/2022)

1. General

a. Citizens Business Bundle plan provides a flat rate for services/features as listed below. Business customers subscribing to the following package are entitled to unlimited use of the selected services/features.

b. Citizens Business Bundle

Customers subscribing to this plan may select up to five (5) features from the following list:

- Anonymous Call Rejection
- Automatic Busy Redial
- Automatic Call Return
- Call Forward
- Call Forward Busy Line
- Call Forward Busy/No Answer
- Call Forward No Answer
- Call Waiting ID
- Call Waiting
- Caller ID w/Number(1)
- Caller ID w/Name and Number(1)
- Distinctive Ring
- Special Call Acceptance
- Selective Call Rejection
- Special Call Forwarding
- Speed Dial 8(2)
- Speed Dial 30(2)
- Three Way Calling
- VIP Alert

Note 1: May select only one Caller ID feature.
Note 2: May select only one Speed Call feature.

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

## CITIZENS BUNDLED SERVICES

B. Citizens Business Bundle* (Cont'd) (02/03/2022)

1. General (Cont'd)

   c. All rules, regulations and limitations as specified elsewhere in this Tariff for the respective services/features requested in a Citizens Business Bundle package shall apply.

2. Rates and Charges

   a. Service Charges are not applicable for a Citizens Business Bundle package provided at the same time as the initial installation for a business line.

   b. Service Charges as specified in Section 6 of this Tariff do not apply for customer requests involving only additions, deletions or changes to the services/features of an existing Citizens Business Bundle package.

   c. Existing Citizens Business Bundle customers cannot take advantage of promotions for any of the individual services/features specified in Section 8.B.1.b, preceding unless specifically allowed by the terms and conditions of the promotion.

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

**CITIZENS BUNDLED SERVICES**

B. Citizens Business Bundle* (Cont'd) (02/03/2022)

2. Rates and Charges (Cont'd)

d. Citizens Business Bundle plans are provided at the following rates.

| | MONTHLY RATE |
|---|---|
| **Business Bundle** | |
| • Per individual business access line – Includes choice of up to 5 services/features as specified in Section 8 .B.1.b., preceding. | $19.95 |

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

## CITIZENS BUNDLED SERVICES

C. Frontier Choices[sm] Tier Bundles* (T)

1. General

Frontier Choices[sm] Tier Bundles are package offerings available to residential customers and include, as described below, either one or two flat-rate residential access lines, the customer's choice of specified features, ten free local directory assistance calls per month, and certain designated non-regulated and federally tariffed services. Listing of the non-regulated services and federally tariffed services is provided only for the purpose of clarity and does not imply that these services are subject to state regulatory authority.

a. Tier I Bundle consists of the following services and features:

- One Residence One-Party Local Exchange Service Access Line
- 10 Free Local Directory Assistance Calls
- Call Forward
- Call Forward Busy Line
- Call Forward No Answer
- Call Waiting
- Call Waiting - ID
- Caller ID w/Number(1)
- Caller ID w/Name and Number(1)
- Distinctive Ring
- Selective Call Acceptance
- Speed Call 8(2)
- Speed Call 30(2)
- Three Way Calling
- Toll Restriction
- VIP Alert
- *69 (Auto Call Return)
- *66 (Auto Redial)
- Internet Call Waiting (Non-regulated)
- Voice Mail (Non-regulated)

Note 1: May select only one Caller ID feature.
Note 2: May select only one Speed Call feature.

*These service offerings are limited to existing subscribers of the service at their existing locations. (N)

**CITIZENS BUNDLED SERVICES**

C. Frontier Choices[sm] Tier Bundles* (Continued) (T)

1. General

b. Tier II Bundle consists of all services and features in Tier I Bundle, plus: Frontier® dial-up Internet service (Non-regulated)

c. Tier III Bundle consists of all services and features in Tier II Bundle, plus:

One Additional Residence One-Party Local Exchange Service Access Line

Interstate End User Common Line Charge on the Additional Line (Federally Tariffed)

d. Tier IV Bundle consists of all services and features in Tier I Bundle, plus:

256 Kbps / 128 Kbps Asymmetrical Digital Subscriber Line Service (Federally Tariffed)

256 Kbps Frontier® Internet Service (Non-regulated)

e. Tier V Bundle consists of all services and features in Tier I Bundle, plus:

1 Mbps / 128 Kbps Asymmetrical Digital Subscriber Line Service (Federally Tariffed)

1 Mbps Frontier® Internet Service (Non-regulated)

2. Regulations

a. A Tier Bundle is available only to customers who are served from a central office in which all services in the Tier Bundle are offered and can be provided by the Company to the customer.

b. Each Tier Bundle package includes an allowance of ten free Local Directory Assistance calls per month. This allowance applies only to calls to the Directory Assistance Service Call Service described in Section 5 and does not include directory assistance calls to other carriers. The allowance is per package, not per line for multiple line packages, and includes the free call allowance per line specified in Section 5. Unused free calls from one month may not be carried over to subsequent months.

*These service offerings are limited to existing subscribers of the service at their existing locations. (N)

**CITIZENS BUNDLED SERVICES**

C. Frontier Choices[sm] Tier Bundles* (Continued) (T)

2. Regulations (Continued)

c. With the exception of the Interstate End User Common Line Charge associated with the additional line within the Tier III Bundle package and unless otherwise stated in this section, all Interstate End User Common Line Charges and other applicable surcharges, taxes, and rates including, unless otherwise specified in this section, EAS rate additives will be billed separately from and in addition to the rates for the Tier Bundles.

d. Frontier and Frontier Choices are service marks of Citizens Communications Company.

e. A Tier Bundle may also be offered as part of a bundle that includes video services or other non-regulated or federally tariffed or price-listed services.

3. Rates and Charges

a. Unless otherwise stated in this section, Service Charges as specified in Section 6 apply to the installation of individual components of the Tier Bundles.

b. When a customer orders Tier Bundle IV or Tier Bundle V, a one-time Set-Up Charge (Non-regulated) and the Service Order Charge apply as follows:

1) If the customer is an existing customer who already subscribes to Asymmetrical Digital Subscriber Line Service, the Service Order Charge shall apply as specified in Section 6.

2) If the customer is an existing customer who does not already subscribe to Asymmetrical Digital Subscriber Line Service, the Set-Up Charge shall apply instead of the Service Order Charge.

3) If the customer is a new customer, both the Service Order Charge and the Set-Up Charge shall apply.

4) The Set-Up Charge (Non-regulated) will be reduced if the customer agrees to a one-year term service commitment. If the customer terminates the Tier Bundle during the one-year term period, a termination charge of $100.00 shall apply.

*These service offerings are limited to existing subscribers of the service at their existing locations. (N)

**CITIZENS BUNDLED SERVICES**

C. Frontier Choices[sm] Tier Bundles* (Continued) (T)

3. Rates and Charges (Continued)

c. The customer may subsequently add or delete services or features, as listed for the Tier Bundle, at no additional charge. Service Charges do not apply to such changes.

d. The otherwise applicable Service Order Charge does not apply when the customer switches to another Tier Bundle.

e. When a customer orders a Tier Bundle concurrently with the installation or move of Residence Local Exchange Service, the customer will receive a one-time credit of $10.00 for each Tier Bundle ordered.

f. Monthly Rates

1) Frontier Choices[sm] Tier Bundles

| | Exchange Group A | Exchange Group B | Exchange Group C | |
|---|---|---|---|---|
| Tier I | $40.00 | $35.00 | $30.00 | |
| Tier II | 60.00 | 55.00 | 50.00 | (I) |
| Tier III | 85.00 | 75.00 | 70.00 | (I) |
| Tier IV | 84.00 | 79.00 | 74.00 | (I) |
| Tier V | 94.00 | 89.00 | 84.00 | (I) |

2) Exchange Groups
Exchange Group A includes all exchanges in Rate Group 2 as listed in Section 4.

Exchange Group B includes all exchanges in Rate Group 1 as listed in Section 4, except the Milaca, Dodge Center, Blooming Prairie, Ellendale and Hayfield exchanges.

Exchange Group C includes the Milaca, Dodge Center, Blooming Prairie, Ellendale and Hayfield exchanges.

*These service offerings are limited to existing subscribers of the service at their existing locations. (N)

**CITIZENS BUNDLED SERVICES**

C. Frontier Choices[sm] Tier Bundles* (Continued) (T)

3. Rates and Charges (Continued)

3) Extended Area Service
For Exchange Group A, the monthly rates include any Extended Area Service associated with Local Exchange Service in the customer's exchange.

For Exchange Groups B and C, the monthly rates do not include associated Extended Area Service, and Extended Area Service rate additives will be billed separately from and addition to the rates for the Tier Bundles.

g. Term Commitment

1) Customers may subscribe to a Tier Bundle with a one year commitment. With the one year contract, the customer will pay a lower monthly charge

2) A termination liability will apply if the customer terminates the access line component of the Tier Bundle offering during the one year term period. The termination liability is the residential access line rate times the remaining months of the one year contract.

3) Monthly rates with a one year commitment are:

| | Exchange Group A | Exchange Group B | Exchange Group C | |
|---|---|---|---|---|
| Tier I | $35.00 | $30.00 | $25.00 | |
| Tier II | $55.00 | $50.00 | $45.00 | (I) |
| Tier III | $72.00 | $62.00 | $57.00 | (I) |
| Tier IV | $71.00 | $66.00 | $61.00 | (I) |
| Tier V | $79.00 | $74.00 | $69.00 | (I) |

4) For term plans entered into prior to February 1, 2006, the monthly rate with a one-year commitment will continue to apply to the Tier Bundle after the end of the one-year period and until the customer discontinues the Tier Bundle.

For term plans entered into after January 31, 2006, at the end of the one- year period, the current rate with a one-year term commitment will apply for another one-year term commitment unless the customer requests that the one-year term not be renewed, in which case the normal monthly rate will apply on a month-to-month basis. The company will notify the customer of this provision before renewal of the one-year term.

*These service offerings are limited to existing subscribers of the service at their existing locations. (N)

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions*

1. General

FrontierWorks[sm] Small Business Solutions are package offerings available to business customers and include, as described below, either one or two business access lines, Call Forwarding Busy/No Answer, and certain designated non- regulated and federally tariffed or price-listed services. Listing of the non- regulated services and federally tariffed or price-listed services is provided only for the purpose of clarity and does not imply that these services are subject to state regulatory authority. These offerings are limited to existing customers as of August 19, 2006 at their existing locations.

a. FrontierWorks[sm] Small Business Solutions: SB1

(1) One Business Access Line, including Call Forwarding Busy/No Answer (Fixed)

(2) Voice Mail (Non-regulated) and Message Waiting Indication

(3) Frontier® dial-up Internet Service (Non-regulated)

(4) One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

b. FrontierWorks[sm] Small Business Solutions: SB2

(1) One Business Access Line, including Call Forwarding Busy/No Answer (Fixed)

(2) Voice Mail (Non-regulated) and Message Waiting Indication

(3) 1 Mbps / 128 Kbps Asymmetrical Digital Subscriber Line Service (Federally Tariffed)

(4) Frontier® DSL Max Internet Service (Non-regulated)

(5) One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

1. General (Continued)

c. FrontierWorks[sm] Small Business Solutions: SB3

(1) Two Business Access Lines, including Call Forwarding Busy/No Answer (Fixed)

(2) Voice Mail (Non-regulated) and Message Waiting Indication

(3) Frontier dial-up Internet Service (Non-regulated)

(4) One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

d. FrontierWorks[sm] Small Business Solutions: SB4

(1) Two Business Access Lines, including Call Forwarding Busy/No Answer (Fixed)

(2) Voice Mail (Non-regulated) and Message Waiting Indication

(3) 1 Mbps / 128 Kbps Asymmetrical Digital Subscriber Line Service (Federally Tariffed)

(4) Frontier® DSL Max Internet Service (Non-regulated)

(5) One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

1. General (Continued)

e. FrontierWorks[sm] Small Business Solutions: SB5

(1) Two Business Access Lines, including Call Forwarding Busy/No Answer (Fixed)

(2) Voice Mail (Non-regulated) and Message Waiting Indication

(3) 512 Kbps / 256 Kbps Asymmetrical Digital Subscriber Line Service (Federally Tariffed)

(4) Frontier® 512 Kbps Business DSL Internet Service (Non- regulated)

(5) One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

f. FrontierWorks[sm] Small Business Solutions: SB6

(1) Two Business Access Lines, including Call Forwarding Busy/No Answer (Fixed)

(2) Voice Mail (Non-regulated) and Message Waiting Indication

(3) 1 Mbps / 512 Kbps Asymmetrical Digital Subscriber Line Service (Federally Tariffed)

(4) Frontier® 1 Mbps Business DSL Internet Service (Non-regulated)

(5) One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

1. General (Continued)

g. FrontierWorks[sm] Small Business Solutions: SB7

(1) One Business Access Line, including Call Forward Busy Line and Call Forward No Answer

(2) Voice Mail (Non-regulated) and Message Waiting Indication

(3) Asymmetrical Digital Subscriber Line Service (Federally Tariffed)
(a) 1 Mbps/128 Kbps, or
(b) 2 Mbps/256 Kbps, or
(c) 3 Mbps/384 Kbps, depending on availability

4) Frontier® Business DSL Internet Service (Non- regulated)

(5) One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

h. FrontierWorks[sm] Small Business Solutions: SB8

(1) Two Business Access Lines, including Call Forwarding Busy Line and Call Forward No Answer.

(2) Voice Mail (Non-regulated) and Message Waiting Indication

(3) Asymmetrical Digital Subscriber Line Service (Federally Tariffed)
(a) 1 Mbps/128 Kbps, or
(b) 2 Mbps/256 Kbps, or
(c) 3 Mbps/384 Kbps, depending on availability

(4) Frontier® Business DSL Internet Service (Non- regulated)

(5) One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

i. FrontierWorks[sm] Small Business Solutions: ADL

(1) One Business Access Line, including Call Forward Busy Line and Call Forward No Answer

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

1. General (Continued)

j. Optional Services

The following services may be added to any of the bundles above:

(1) FrontierWorks[sm] Select5

Choice of five of the following:

Caller ID—Name and Number
Call Forwarding
Call Waiting
Speed Calling-8 or Speed Calling-30
Three-Way Calling
Busy Redial
Call Return
Rotary Hunt Service

(2) FrontierWorks[sm] Select5 with Voice Mail (Non-regulated)

Voice Mail Service, plus choice of five of the following:

Caller ID—Name and Number
Call Forwarding
Call Waiting
Speed Calling-8 or Speed Calling-30
Three-Way Calling
Busy Redial
Call Return
Rotary Hunt Service

(3) Citizens Conference on Demand (Non-regulated)

(4) Citizens Webexchange (Non-regulated)

(5) FrontierPages[sm] free one-inch Yellow Pages advertisement (Non- regulated)

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

2. Regulations

a. FrontierWorks[sm] Small Business Solutions are available only to existing customers as of August 19, 2006 at their existing location.

b. The bundles are offered only under one-year, two-year, and three-year term contracts.

(1) If the tariffed rates change during the term of the contract, the contract rates will remain in effect in the customer's contract.

(2) The customer may order additional bundles at the term rates of the contract during the term of the contract. The termination date for additional bundles shall be the termination date of the initial contract.

(3) To cancel the contract before the end of the contract term, the customer must provide at least 60 days advance written notice to the Company. The date on which the contract will be cancelled shall be 60 days after the date on which the Company receives the notice, unless the notice specifies a later date of cancellation.

(4) Early termination liability charges shall apply if the customer cancels one or more bundles before the end of the contract term. A bundle is considered to be cancelled if any of its component services are cancelled, unless the bundle is upgraded to a bundle of greater value.

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

2. Regulations (Continued)

b. (Continued)

(4) (Continued)

(a) The early termination liability charges shall be calculated as follows: For each cancelled bundle, with adjustments pursuant to paragraph b. below, a rate differential shall be determined, equal to the difference between the Rate Group 1 term rate for the contract term and the Rate Group 1 term rate for the longest available contract term for which the customer's subscription, upon cancellation, would have otherwise qualified. For example, if the customer cancels in the second year of a three-year contract, the rate differential would be the difference between the Rate Group 1 rate for a three-year term and the Rate Group 1 rate for a two-year term. If the cancellation occurs before the end of the minimum contract period, the rate differential shall be the difference between the Rate Group 1 term rate for the contract term and the month-to- month rates applicable to customers in Rate Group 1 for the component services of the bundle. The rate differential shall then be multiplied by the number of months (rounded to the next whole month) for which the customer subscribed to the bundle before cancellation. The result shall be the early termination liability charge for the cancelled bundle.

(b) The calculations described in paragraph (a) above shall exclude Asymmetrical Digital Subscriber Line (ADSL) service component rates of bundles when federally tariffed termination charges apply to the ADSL service.

(c) The early termination liability charges described in paragraph above shall not apply to cancellation of bundles within 90 days of activation.

(d) In addition to the early termination liability charges described above, termination charges may apply to the ADSL service components of bundles in accordance with federally tariffed termination charges for ADSL service.

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

2. Regulations (Continued)

c. The FrontierWorks[sm] Select5 optional services associated with the bundles are not subject to the one-year, two-year, and three-year term commitments and are available on a month-to-month basis.

d. The FrontierWorks[sm] Select5 package is available only in association with a FrontierWorks[sm] Small Business Solutions bundle.

e. The bundle rate will appear as a single line item on the customer's bill.

f. The bundle rate includes Extended Area Service (EAS) in exchanges where EAS is included in the local service access line rate. In exchanges where EAS is billed separately from the local service access line rate, EAS rates will be billed separately and in addition to the bundle rate.

g. All Interstate End User Subscriber Line Charges and other applicable surcharges and taxes will be billed separately from and in addition to the bundle rate.

h. In order to receive the long-distance minutes included in the bundles, customers must select the FrontierWorks[sm] LD long-distance plan of Frontier Communications of America, Inc., with Frontier Communications of America, Inc., selected at least as their InterLATA Primary Interexchange Carrier.

i. FrontierWorks[sm] is a service mark of Citizens Communications Company.

3. Rates and Charges

a. Unless otherwise stated elsewhere in this section, Service Charges as specified in Tariff Section 6 apply to the installation of individual components of the bundles.

b. Service Charges apply if the customer switches from a bundle to an unbundled service.

c. Service Charges do not apply if the customer switches to another FrontierWorks[sm] Small Business Solutions bundle of greater value.

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

3. Rates and Charges (Continued)

d. The customer may add or delete the services or features of the FrontierWorks[sm] Select5 package without incurring a Service Charge.

e. Monthly Rates

(1) Rate Group 1

| | Term | | |
|---|---|---|---|
| | One Year | Two Years | Three Years |
| (a) SB1 | $60.00 | $58.00 | $54.00 |
| (b) SB2 | $86.00 | $82.00 | $76.00 |
| (c) SB3 | $96.00 | $92.00 | $86.00 |
| (d) SB4 | $122.00 | $116.00 | $108.00 |
| (e) SB5 | $148.00 | $136.00 | $126.00 |
| (f) SB6 | $220.00 | $200.00 | $180.00 |
| (g) SB7 | $127.66 | $120.68 | $113.47 |
| (h) SB8 | $163.32 | $154.36 | $144.94 |
| (i) ADL | $26.35 | $24.92 | $23.26 |

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

3. Rates and Charges (Continued)

e. Monthly Rates (Continued)

(2) Rate Group 2

| | Term | | |
|---|---|---|---|
| | One Year | Two Years | Three Years |
| (a) SB1 | $74.00 | $70.00 | $66.00 |
| (b) SB2 | $100.00 | $94.00 | $88.00 |
| (c) SB3 | $122.00 | $116.00 | $108.00 |
| (d) SB4 | $148.00 | $140.00 | $132.00 |
| (e) SB5 | $174.00 | $160.00 | $148.00 |
| (f) SB6 | $246.00 | $224.00 | $202.00 |
| (g) SB7 | $140.59 | $132.86 | $124.88 |
| (h) SB8 | $189.18 | $178.72 | $167.76 |
| (i) ACL | $39.28 | $37.10 | $34.67 |

| | Monthly Rate |
|---|---|
| (3) FrontierWorks[sm] Select5 | $ 9.95 |
| (4) FrontierWorks[sm] Select5 With Voice Mail | $ 12.95 |

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

D. FrontierWorks[sm] Small Business Solutions* (Continued)

3. Rates and Charges (Continued)

f. Rate Groups

(1) Rate Group 1

All exchanges included in the Rate Group 1 Exchange Listing in Section 4, except that no bundles are offered in the following exchanges: Alden, Argyle, Alvarado, Belgrade, Elrosa, Hallock, Herman, Jasper (MN), Kennedy, Oslo (MN), Stephen, Warren, and Wheaton.

(2) Rate Group 2

All exchanges included in the Rate Group 2 Exchange Listing in Section 4.

* This service is limited to existing customers at their existing locations.

## CITIZENS BUNDLED SERVICES

E. FrontierWorks[sm] Business Connections*

1. General

FrontierWorks[sm] Business Connections are package offerings available to business customers and include, as described below, one or two business or Centrex access lines, Call Forwarding, Message Waiting Indication, Caller ID with Name and certain designated non-regulated and federally tariffed or price-listed services. Listing of the non-regulated services and federally tariffed or price-listed services is provided only for the purpose of clarity and does not imply that these services are subject to state regulatory authority. FrontierWorks[sm] Business Connections are limited to existing customers as of August 19, 2006 at their existing locations.

a. Bundle 1

1. One Business Access Line, including Call Forward Busy Line and Call Forward No Answer, and Caller ID with Name.

2. Voice Mail (Non-regulated) and Message Waiting Indication

3. Frontier High Speed Internet Service, a bundle of Federally Tariffed Asymmetrical Digital Subscriber Line Service and non-regulated internet services and 8 email boxes (Non- regulated)

4. One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

5. White Page Bold Ad (Non-regulated

b. Bundle 2

1. One Business Access Line, including Call Forward Busy Line and Call Forward No Answer, and Caller ID with Name.

2. Voice Mail (Non-regulated) and Message Waiting Indication

3. Business Digital Subscriber Line (BDSL), a bundle of Federally Tariffed Asymmetrical Digital Subscriber Line Service and non-regulated internet services with Static IP and 10 email boxes.(Non-regulated)

4. One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

1. General (Continued)

b. Bundle 2 (Continued)

5. White Page Bold Ad (Non-regulated)

c. Bundle 3

1. Two Business Access Lines, including Call Forward Busy Line and Call Forward No Answer, and Caller ID with Name.

2. Voice Mail (Non-regulated) and Message Waiting Indication

3. Frontier High Speed Internet Service, a bundle of Federally Tariffed Asymmetrical Digital Subscriber Line Service and non- regulated internet services and 8 email boxes (Non- regulated)

4. One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

5. White Page Bold Ad (Non-regulated)

6. Two-Line Business Set 9Non-regulated)

7. Phone Care-an equipment maintenance plan that provides guaranteed repair or replacement for telephone and Caller ID boxes. (Non-regulated)

d. Bundle 4

1. Two Business Access Lines, including Call Forward Busy Line and Call Forward No Answer, and Caller ID with Name.

2. Voice Mail (Non-regulated) and Message Waiting Indication

3. Frontier High Speed Internet Service and 10 email boxes (Non- regulated)

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

1. General (Continued)

d. Bundle 4 (Continued)

4. Business Digital Subscriber Line (BDSL), a bundle of Federally Tariffed Asymmetrical Digital Subscriber Line Service and non- regulated internet services with Static IP and 10 email boxes. (Non-regulated)

5. One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

6. White Page Bold Ad (Non-regulated)

7. Two-Line Business Set (Non-regulated)

8. Phone Care-an equipment maintenance plan that provides guaranteed repair or replacement for telephone and Caller ID boxes. (Non-regulated)

e. Bundle 5

1. Two Business Access Lines, including Call Forward Busy Line and Call Forward No Answer, and Caller ID with Name.

2. Voice Mail (Non-regulated) and Message Waiting Indication

3. Frontier High Speed Internet Service and 10 email boxes (Non- regulated)

4. Business Digital Subscriber Line (BDSL), a bundle of Federally Tariffed Asymmetrical Digital Subscriber Line Service and non- regulated internet services with Static IP and 10 email boxes plus a Wireless Router. (Non-regulated)

5. One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

1. General (Continued)

e. Bundle 5 (Continued)

6. White Page Bold Ad (Non-regulated)

7. Two-Line Business Set (Non-regulated)

8. Phone Care-an equipment maintenance plan that provides guaranteed repair or replacement for telephone and Caller ID boxes. (Non-regulated)

f. Bundle 6

1. Two Centrex lines, including the following features where available:

Enhanced Call Forwarding
Call Transfer
Caller ID Name and Number
Queuing
Last Number Redial
Speed Call 8 or 30
Three Way Calling
Abbreviated Dialing

2. Voice Mail (Non-regulated) and Message Waiting Indication

3. Frontier High Speed Internet Service, a bundle of Federally Tariffed Asymmetrical Digital Subscriber Line Service and non- regulated internet services and 8 email boxes (Non- regulated)

4. One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

5. White Page Bold Ad (Non-regulated)

6. Two-Line Business Set (Non-regulated)

7. Phone Care-an equipment maintenance plan that provides guaranteed repair or replacement for telephone and Caller ID boxes. (Non-regulated)

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

1. General (Continued)

g. Bundle 7

1. Two Centrex lines, including the following features where available:

Enhanced Call Forwarding
Call Transfer
Caller ID Name and Number
Queuing
Last Number Redial
Speed Call 8 or 30
Three Way Calling
Abbreviated Dialing

2. Voice Mail (Non-regulated) and Message Waiting Indication

3. Business Digital Subscriber Line (BDSL), a bundle of Federally Tariffed Asymmetrical Digital Subscriber Line Service and non- regulated internet services with Static IP and 10 email boxes. (Non-regulated)

4. One hundred (100) minutes of domestic long-distance service provided by Frontier Communications of America, Inc., usage per month per bundle. (Federally Price-Listed)

5. White Page Bold Ad (Non-regulated)

6. Two-Line Business Set (Non-regulated)

7. Phone Care-an equipment maintenance plan that provides guaranteed repair or replacement for telephone and Caller ID boxes. (Non-regulated)

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

1. General (Continued)

h. Optional Services

1. The following services may be added to Bundles 1-5 of the bundles above:

a. FrontierWorks Optional Business Feature Package .

Choice of five of the following:

Call Waiting w/ Cancel Call Waiting
Speed Calling 8 Code or Speed Calling 30 Code
Three-Way Calling
Busy Redial
Call Return
Queuing
Selective Call Forwarding

b. Voice Mail

2. The following features may be added to Bundles 6 and 7. (Centrex Bundle):

a. Optional Centrex Features

Choice of any or all of the following:

Call Waiting w/ Cancel Call Waiting
Speed Calling 8 Code or Speed Calling 30 Code
Busy Redial
Call Return Selective Ring

b. Voice Mail

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

2. Regulations

a. FrontierWorks[sm] Business Connections are available only to existing customers as of August 19, 2006 at their existing locations.

b. The bundles are offered only under one-year, two-year, and three-year term commitment and requires a contract.

(1) If the tariffed rates change during the term of the contract, the contract rates will remain in effect in the customer's contract.

(2) The customer may order additional bundles at the term rates of the contract during the term of the contract. The termination date for additional bundles shall be the termination date of the initial contract.

(3) To cancel the contract before the end of the contract term, the customer must provide at least 60 days advance written notice to the Company. The date on which the contract will be cancelled shall be 60 days after the date on which the Company receives the notice, unless the notice specifies a later date of cancellation.

(4) Early termination liability charges shall apply if the customer cancels one or more bundles before the end of the contract term. A bundle is considered to be cancelled if any of its component services are cancelled, unless the bundle is upgraded to a bundle of greater value.

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

2. Regulations (Continued)

b. (Continued)

(4) (Continued)

(a) The early termination liability charges shall be calculated as follows: A Maximum Termination Liability will be no greater than $250 for a one-year term, $500 for a two-year term, and $750 for a three-year term and will be specified in the contract. This termination liability will decrease in monthly increments over the course of the liability period. The liability charge shall be computed as follows:

The ratio of the number of months remaining in the contract period to the total number of months in the contract period, multiplied by the Maximum Termination Liability.

(b) The early termination liability charges described in paragraph a. above shall not apply to cancellation of bundles within 90 days of activation.

c. Customer contract will automatically renew at the contract rate for one year if no cancellation notification is received.

d. The Frontier Works Optional Business Feature Package associated with the bundles are not subject to the one-year, two-year, and three-year term commitments and are available on a month-to-month basis.

e. The Frontier Works Optional Business Feature Package is available only in association with a FrontierWorks Business Connections bundle.

f. The bundle rate will appear as a single line item on the customer's bill

g. The bundle rate includes Extended Area Service (EAS) in exchanges where EAS is included in the local service access line rate. In exchanges where EAS is billed separately from the local service access line rate, EAS rates will be billed separately and in addition to the bundle rate.

h. All Interstate End User Subscriber Line Charges and other applicable surcharges and taxes will be billed separately from and in addition to the bundle rate.

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

2. Regulations (Continued)

i. In order to receive the long-distance minutes included in the bundles, customers must select the FrontierWorks[sm] LD long-distance plan of Frontier Communications of America, Inc., with Frontier Communications of America, Inc., selected as their Primary Interexchange Carrier.

j. The business access line does not include Key lines or PBX trunks or other business lines that are separately tariffed with different rates from the regular Business One-Party access line.

k. FrontierWorks Business Connections cannot be used in association with a key system or a PBX service.

l. In the Frontier Works Optional Business Feature Package, “Enhanced Call Forward” forwards all calls to a user-changeable forward- to number. It overrides Call Forward Busy Line and Call Forward No Answer

m. FrontierWorks is a service mark of Citizens Communications Company.

3. Rates and Charges

a. Unless otherwise stated elsewhere in this section, Service Charges apply to the installation of individual components of the bundles.

b. Service Charges apply if the customer switches from a bundle to an unbundled service.

c. Service Charges do not apply if the customer switches to another FrontierWorks bundle of greater value.

d. The customer may add or delete the services or features of the Frontier Works Optional Business Feature Package without incurring a Service Charge.

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

3. Rates and Charges (Continued)

e. Monthly Rates

(1) Rate Group 1 (Non-Metro Exchanges)

| | | Term | | |
|---|---|---|---|---|
| | | One Year | Two Years | Three Years |
| (a) | Bundle 1 | $89.99 | $84.99 | $79.99 |
| (b) | Bundle 2 | $134.99 | $126.99 | $118.99 |
| (c) | Bundle 3 | $129.99 | $119.99 | $114.99 |
| (d) | Bundle 4 | $174.99 | $163.99 | $153.99 |
| (e) | Bundle 5 | $189.99 | $179.99 | $169.99 |
| (f) | Bundle 6 | $139.99 | $129.99 | $119.99 |
| (g) | Bundle 7 | $161.99 | $151.99 | $142.99 |

Rate Group 2 (Metro Exchanges + Almelund and Taylors Falls)

| | | Term | | |
|---|---|---|---|---|
| | | One Year | Two Years | Three Years |
| (a) | Bundle 1 | $99.99 | $94.99 | $89.99 |
| (b) | Bundle 2 | $144.99 | $139.99 | $129.99 |
| (c) | Bundle 3 | $144.99 | $139.99 | $129.99 |
| (d) | Bundle 4 | $194.99 | $184.99 | $169.99 |
| (e) | Bundle 5 | $214.99 | $199.99 | $189.99 |
| (f) | Bundle 6 | $159.99 | $154.99 | $144.99 |
| (g) | Bundle 7 | $208.99 | $199.99 | $184.99 |

* This service is limited to existing customers at their existing locations.

**CITIZENS BUNDLED SERVICES**

E. FrontierWorks[sm] Business Connections* (Continued)

3. Rates and Charges (Continued)

e. Monthly Rates (Continued)

(2) Optional Services

1. Bundles 1-5

a. FrontierWorks Optional Business Feature Package
$9.99 per line

b. Voice Mail

| | |
|---|---|
| Additional Voice Mail Box | $7.49 (01/30/2023) |
| More than 8 Voice Mail Boxes, Per Mail Box | $4.49 (01/30/2023) |

2. Bundles 6-7

a. Optional Centrex Features
$2.49 per feature (01/30/2023)

b. Voice Mail

| | |
|---|---|
| Additional Voice Mail Box | $7.49 (01/30/2023) |
| More than 8 Voice Mail Boxes, Per Mail Box | $4.49 (01/30/2023) |

* This service is limited to existing customers at their existing locations.

## CITIZENS BUNDLED SERVICES

G. Frontier Small Business Advantage℠* (02/03/2022)

1. General

a. Frontier Small Business Advantage℠ is a package offering available to Business customers on Business lines. The package includes Two Business lines, Call Forward Variable, Caller ID – Name and Number, Rotary Hunting (where available), Three-Way Calling, and Abbreviated Dialing (where available).

Bundle 1

Two Business Lines
Call Forwarding -Variable
Caller ID – Name and Number
Rotary Hunting (where available)
Three-Way Calling
Abbreviated Dialing (where available)
Voice Mail (Non-regulated) and Message Waiting Indication
Three hundred minutes (300) of domestic long-distance service provided by Frontier Communications of America, Inc, usage per month per bundle. (Federally Price-Listed)

b. Bundle 2

Two Business Lines
Call Forwarding – Variable
Caller ID -Name and Number
Rotary Hunting (where available)
Three-Way Calling
Abbreviated Dialing (where available)
Voice Mail (Non-regulated) and Message Waiting Indication
Six hundred minutes (600) of domestic long-distance service provided by Frontier Communications of America, Inc, usage per month per bundle. (Federally Price-Listed)

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

**CITIZENS BUNDLED SERVICES**

G. Frontier Small Business Advantage[sm] * (Continued) (02/03/2022)

1. General

Bundle 3

Two Business Lines
Call Forwarding – Variable
Caller ID - Name and Number
Rotary Hunting (where available)
Three-Way Calling
Abbreviated Dialing (where available)
Voice Mail (Non-regulated) and Message Waiting Indication
Nine hundred minutes (900) of domestic long-distance service provided by Frontier Communications of America, Inc, usage per month per bundle.

Bundle 4

Two Business Lines
Call Forwarding – Variable
Caller ID - Name and Number
Rotary Hunting (where available)
Three-Way Calling
Abbreviated Dialing (where available)
Voice Mail (Non-regulated) and Message Waiting Indication Frontier High Speed Internet Service, a bundle of Federally Tariffed
Asymmetrical Digital Subscriber Line Service and non-regulated Internet services and 10 email boxes. (Non-regulated)
Two hundred minutes (200) of domestic long-distance service provided by Frontier Communications of America, Inc, usage per month per bundle. (Federally-Price Listed)

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

**CITIZENS BUNDLED SERVICES**

G. Frontier Small Business Advantage[sm] * (Continued) (02/03/2022)

1. General (Continued)

Bundle 5

Two Business Lines
Call Forwarding – Variable
Caller ID - Name and Number
Rotary Hunting (where available)
Three - Way Calling
Abbreviated Dialing (where available)
Voice Mail (Non-regulated) and Message Waiting Indication
Frontier High Speed Internet Service, a bundle of Federally Tariffed Asymmetrical Digital Subscriber Line Service and non-regulated Internet services and 10 email boxes. (Non-regulated)
Four hundred minutes (400) of domestic long-distance service provided by Frontier Communications of America, Inc, usage per month per bundle. (Federally Price Listed)

Bundle 6

Two Business Lines
Call Forward (Variable)
Caller ID - Name and Number
Rotary Hunting (where available)
Three - Way Calling
Abbreviated Dialing (where available)
Voice Mail (Non-regulated) and Message Waiting Indication
Frontier High Speed Internet Service, a bundle of Federally Tariffed Asymmetrical Digital Subscriber Line Service and non-regulated Internet services and 10 email boxes. (Non-regulated)
Six hundred minutes (600) of domestic long-distance service provided by Frontier Communications of America, Inc, usage per month per bundle. (Federally Price Listed)

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

**CITIZENS BUNDLED SERVICES**

G. Frontier Small Business Advantage[sm] * (Continued) (02/03/2022)

1. General (Continued)

   d. Additional Features. The following features may be added to the bundle and will be billed on a per feature basis.

      Automatic Busy Redial
      Automatic Call Return
      Call Forwarding Busy Line
      Call Forwarding No Answer
      Speed Call 8 or Speed Call 30
      Distinctive Ring
      Call Waiting/Cancel Call Waiting

2. Regulations

   a. A bundle is available only to customers who are served from a central office in which services in the bundle are offered and can be provided by the Company to the customer.

   b. The bundles are offered only on a two-year term contract.

      1. If the tariffed rates change during the term of the contract, the contract rates will remain in effect until the termination of the customer's contract.

      2. The customer may order additional bundles at the term rates of the contract during the term of the contract. The termination date for additional bundles shall be the termination date of the initial contract.

      3. To cancel the contract before the end of the contract term, the customer or Company must provide at least 60 days advance written notice to the other party. The date on which the contract will be cancelled shall be 60 days after the date on which the notice is received, unless the notice specifies a later date of cancellation.

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

**CITIZENS BUNDLED SERVICES**

G. Frontier Small Business Advantage[sm] * (Continued) (02/03/2022)

2. Regulations (Continued)

b. (Continued)

4. Early termination liability charges shall apply if the customer cancels one or more bundles before the end of the contract term. A bundle is considered to be cancelled if any of its component services are cancelled, unless the bundle is upgraded to a bundle of greater value.

The early termination liability charges shall be calculated as follows: A maximum termination liability will be no greater than $500 for a two year term and will be specified in the customer's contract or at the time of sale. This termination liability will decrease in monthly increments over the course of the liability period. The liability charge shall be computed as follows:

The ratio of the number of months remaining in the liability period multiplied by the Maximum Termination Liability.

The early termination liability charges described in the paragraph above does not apply within 30 days of activation.

Customer contract will automatically renew at the current rate for the two years if no cancellation notification is received.

c. The bundle rate will appear as a single line item on the customer's bill.

d. The bundle rate includes Touch Tone Dialing (TTD) and Extended Area Service (EAS) in exchanges where TTD and EAS is included in the local service access line rate. In exchanges where TTD and EAS is billed separately from the local service access line rate, TTD and EAS rates will be billed separately and in addition to the bundle rate.

e. All End User Subscriber Line Charges and other applicable surcharges and taxes will be billed separately from and in addition to the bundle rate.

f. The bundle shall not be used in association with a Residential Line, PBX Service or ISDN service.

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

**CITIZENS BUNDLED SERVICES**

G. Frontier Small Business Advantage[sm] * (Continued) (02/03/2022)

2. Regulations (Continued)

g. Frontier Small Business Advantage is a service mark of Citizens Communications Company.

h. In order to receive the long-distance minutes included in the bundles, customers must select the FrontierWorks[sm] LD long-distance plan of Frontier Communications of America, Inc., with Frontier Communications of America, Inc., selected as their Primary Interexchange Carrier.

3. Rates and Charges

a. Unless otherwise stated elsewhere in this section, Service Charges apply to the installation of individual components of the bundles.

b. Service Charges apply if the customer switches from a bundle to an unbundled service.

c. The customer may add or delete the Frontier Small Business Advantage optional features without incurring a Service Charge.

d. Monthly Rates

| | Two Year Term |
|---|---|
| Metro Rate | |
| Bundle 1 | $104.99 |
| Bundle 2 | $114.99 |
| Bundle 3 | $124.99 |
| Bundle 4 | $154.99 |
| Bundle 5 | $164.99 |
| Bundle 6 | $174.99 |
| Additional Features | $2.49 per feature (01/30/2023) |

| | Two Year Term |
|---|---|
| Non-Metro Rate | |
| Bundle 1 | $74.99 |
| Bundle 2 | $84.99 |
| Bundle 3 | $94.99 |
| Bundle 4 | $124.99 |
| Bundle 5 | $134.99 |
| Bundle 6 | $144.99 |
| Additional Features | $2.49 per feature (01/30/2023) |

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

## CITIZENS BUNDLED SERVICES

H. Frontier Digital Phone Service* (T)

1. General

a. The Frontier Digital Phone Service is a package offering available to residential customers and includes one flat-rate residential one-party service access line and the customer's choice of the features and services listed below, including certain non-regulated and federally price listed services. Listing of the non-regulated and federally price listed services is provided only for the purpose of clarity and does not imply that these services are subject to state authority.

Call Forwarding Busy Line (Fixed)
Call Forward No Answer (Fixed)
Call Waiting /Cancel Call Waiting
Caller ID – Name and Number
Voicemail with Message Waiting Indicator (non-regulated)
Frontier Communications of America's, Frontier Digital Phone Service Calling Plan (Federally Price listed)

b. Digital Phone Enhanced Feature Pack

The following services are included in the feature package and may be added to the bundle.

Automatic Busy Redial
Automatic Call Return
Three-Way Calling
Speed Call 8 or 30 Call Forwarding
Calling Forwarding Busy Line/No Answer (Fixed)

c. Whole House Dialing

Customers who order Digital Phone Service and subscribe to High Speed Internet are eligible for Whole House Dialing. Whole House Dialing gives a second access line free of charge for the length of the High Speed Internet contract. The Interstate End User Subscriber Line charges and other applicable surcharges and taxes associated with this additional line will be billed.

* This service offering is limited to all existing subscribers at their existing locations. (N)

## CITIZENS BUNDLED SERVICES

H. Frontier Digital Phone Service*

2. Regulations

a. The Frontier Digital Phone Service is available where technically feasible.

b. The features and services, except those listed as non-regulated or federally price listed, are provided subject to their descriptions and regulations as specified elsewhere in the tariff.

c. Community Calling Plan is not available with the bundle.

d. Non-payment or partial payment of the bill may result in the removal of the services that are included in the bundle in accordance with existing tariff rules.

e. Customers may add or delete any features offered in the bundle without a service order charge.

f. No discounts will be given to subscribers that do not use all the features or have some features turned off.

g. Federal Subscriber Line Charge will be billed separately from the basic bundles offering. Other surcharges and taxes will apply.

h. New customers of this service who are employees of a business participating in the Business Partner Program are eligible for a $40 one- time credit. The Business Partner Program is available to any business that subscribes to the Company's business service.

3. Rates and Charges

| | |
|---|---|
| Month-to-Month | $49.99 |
| Digital Phone Enhanced Feature Pack | $6.49 (11/25/2024) |

* This service offering is limited to all existing subscribers at their existing locations.

(1) Periodically, the Company may offer various "save Incentives" in the event of a competitive threat. Such incentives may be limited to specific markets, specific dates, specific products or specific pricing plans or customers who have received offers from competing service providers. Term requirements and termination liabilities may be a condition of the Save Incentive Offer.

## CITIZENS BUNDLED SERVICES

I. Frontier Business Unlimited Service* (02/03/2022)

1. General

a. Frontier Business Unlimited Service is a bundled offering available to Business customers that subscribe to a maximum of ten Single Party Business Lines per customer location. The bundle includes the following components: one Basic Local Exchange Service Access Line, Extended Area Service (where applicable), Custom Calling Features, Voice Mail (non-regulated) and federally price listed services. Listing of the non- regulated and federally price listed services is provided only for the purpose of clarity and does not imply that these service are subject to state authority.

Basic Local Exchange Service Access line
Extended Area Service (where applicable)
Call Forward Busy/No Answer
Voice Mail – Frontier Business Deluxe Voice Mail or Frontier Business Essentials as available (Non-regulated)
Caller ID – Name and Number
Frontier Communications of America's, Frontier Business Unlimited Calling Plan (Federally Price listed)
Two features from the feature package listed below

b. Frontier Business All In Feature Package

Anonymous Call Block
Automatic Busy Redial
Automatic Call Return
Call Forwarding
Call Forwarding Busy Line
Call Forwarding No Answer
Call Waiting
Call Waiting ID
Distinctive Ring
Speed Call 8 or 30
Three-Way Calling
VIP Alert
Call Transfer

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

## CITIZENS BUNDLED SERVICES

I. Frontier Business Unlimited Service* (Continued) (02/03/2022)

2. Regulations (Continued)

a. The bundle is available only where facilities and operating systems are available and technically feasible.

b. The features are provided subject to their individual service regulations as specified in this tariff.

c. Call detail for Extended Area Service (where applicable) will not be displayed on the customer's monthly telephone bill.

d. Frontier Business Unlimited Service includes basic local service and non- basic local services. Nonpayment or partial payment of the basic local service charge within the bundle will result in disconnection of the basic local service.

e. Customers may add or delete any features offered within the bundle without incurring a Service Connection Charge.

f. If the customer disconnects any component of the bundle, the remaining components of the bundle will be billed at their individual tariffed monthly rates.

g. The bundle cannot be used in association with a Residential Line, PBX Service, ISDN Service, Toll Free Service, Remote Call Forwarding Service and Foreign Exchange Services.

3. Rates and Charges

a. All Interstate End User Subscriber Line charges and other applicable surcharges and taxes will be billed separately from and are in addition to the bundle rate.

b. Unless otherwise stated elsewhere in this section, Service Connection Charges as defined elsewhere in the tariff apply to the installation of individual components of the bundle.

c. Frontier Business Unlimited Service is provided at the following rate:

| | Monthly Rate |
|---|---|
| All Exchanges | $92.99 (01/06/2025) |
| Frontier Business All In Feature Package | $5.49 (01/30/2023) |

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

## CITIZENS BUNDLED SERVICES

J. Frontier Digital Phone Bronze*+ (T)

1. General

a. Frontier Digital Phone Bronze is a package offering available to residential customers and includes one flat-rate residential one-party service access line and the customer's choice of the features and services listed below, including certain non-regulated and federally price listed services. Listing of the non-regulated and federally price listed services is provided only for the purpose of clarity and does not imply that these services are subject to state authority. (T)

Features and Services

Residence One-Party Service
Extended Area Service (EAS Additive)
Caller ID – Name and Number
Call Waiting/Cancel Call Waiting
Call Waiting/Caller ID
Frontier Communications of America's, - Frontier Digital Phone Essentials Calling Plan (Federally Price listed)

b. Digital Phone Enhanced Feature Pack

The following services are included in the feature package and may be added to the bundle.

Automatic Busy Redial
Automatic Call Return
Three-Way Calling
Speed Call 8 or 30
Call Forwarding
Call Forwarding Busy Line/No Answer (Fixed)

c. Whole House Dialing

Customers who order Digital Phone Service and subscribe to High Speed Internet are eligible for Whole House Dialing. Whole House Dialing gives a second access line free of charge for the length of the High Speed Internet contract. The Interstate End User Subscriber Line charges and other applicable surcharges and taxes associated with this additional line will be billed.

* This service offering is limited to existing subscribers of the service at their existing locations. (N)
\+ This bundle previously was called Frontier Digital Phone Essentials. (N)

**CITIZENS BUNDLED SERVICES**

J. Frontier Digital Phone Bronze*+ (Continued)

2. Regulations (Continued)

a. The Frontier Digital Phone Bronze is available where technically feasible.

b. The features are provided subject to their individual service regulations as specified in this tariff.

c. When the customer disconnects any component of the bundle, the remaining components of the package will be billed at their individually tariffed rates.

d. Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing tariff rules.

e. Customers may add or delete any features offered in the package without a service order charge.

f. No discounts will be given to subscribers that do not use all the features or have some features turned off.

g. The bundles are offered on a month-to-month basis.

h. The bundle will appear as a single line item on the bill.

i. Community Calling Plan is not available with the bundle.

j. New customers of this service who are employees of a business participating in the Business Partner Program are eligible for a $40 one-time credit. The Business Partner Program is available to any business that subscribes to the Company's business service.

3. Rates and Charges

a. Extended Area Service, where provided, is included in the bundle and will not be billed separately. All Interstate End User Subscriber Line charges and other applicable surcharges and taxes will be billed separately from and are in addition to the bundle rate.

b. Frontier Digital Phone Bronze is provided at the following rate:

| | Monthly Rate |
|---|---|
| Frontier Digital Phone Bronze | $24.99 |
| Digital Phone Enhanced Feature Pack | $6.49 (11/25/2024) |

* This service offering is limited to existing subscribers of the service at their existing locations.
\+ This bundle previously was called Frontier Digital Phone Essentials.

## CITIZENS BUNDLED SERVICES

K. Stay Connected Seasonal Offering * (06/05/2020)

1. General

   Stay Connected Seasonal Offering allows a customer to suspend their Digital Phone Service Bundle, Digital Phone Essentials Bronze, Frontier Digital Phone 100, Frontier Digital Phone Essentials 1- 2010, Frontier Digital Phone Plus Service, Frontier Digital Phone Nationwide Unlimited with Essentials 1- 2010, Frontier Digital Phone Nationwide Unlimited with Essentials 4 - 2010, Frontier Digital Phone Nationwide Unlimited Plus with Essentials 1 - 2010, Frontier Digital Phone Nationwide Unlimited Plus with Essentials 4 – 2010, Frontier Digital Phone Essentials, Frontier Digital Phone Unlimited, Frontier Digital Phone Unlimited Plus, Frontier Digital Phone Unlimited (Challenger) or Frontier Digital Phone Unlimited Plus (Challenger) while they are away, for a minimum of one month and up to nine months for a reduced rate.

2. Regulations

   a. The customer is asked to provide a reconnect date at the time of the suspension. If a reconnect date is given then reconnection charges do not apply

   b. A $25.00 re-activation fee will apply if the customer does not provide a reactivation date at the time the order is placed to add the service.

   c. Customer's line will be available for 911 calls only at the time of suspension.

   d. The time that the customer is on the "Stay Connected" Seasonal Service will count for the fulfillment of the contract time.

   e. Customer will be removed from the Stay Connected discount after the nine month period if no date is given.

   f. This service does not change any other terms and conditions of the product.

   g. The monthly rate includes the Federal End User Common Line Charge.

   h. Customer is not eligible for another vacation service in the rolling year that Stay Connected was used.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Stay Connected Seasonal Offering | $9.99 |

* Stay Connected Seasonal Service is grandfathered. Effective June 5, 2020 this service offering is limited to existing subscribers at existing locations. (06/05/2020)

## CITIZENS BUNDLED SERVICES

L. Frontier Business Essentials** (02/03/2022)

1. General

a. Frontier Business Essentials is a package offering available to business customers. The package includes a flat rate Basic Business Line, and a combination of enhanced calling features.

Features and Services

Flat Rate Business Line
Extended Area Service
Call Forwarding Busy/No Answer
Frontier Business Basic Voicemail (Non-Regulated)
Three features from the Frontier Business Feature package listed below.

b. Enhanced Feature Pack*

The following services are included in the feature package and may be added to the bundle.

Automatic Busy Redial
Automatic Call Return
Three-Way Calling
Speed Call 8 or 30
Call Forwarding
Calling Forwarding Busy Line/No Answer (Fixed)

c. Frontier Business All In Feature Package

Anonymous Call Block
Automatic Busy Redial
Automatic Call Return
Call Forwarding
Call Forwarding Busy Line
Call Forwarding No Answer
Call Waiting
Call Waiting ID
Distinctive Ring
Speed Call 8 or 30
Three-Way Calling
VIP Alert
Call Transfer
Caller ID Name
Frontier Business Deluxe Voicemail

* This service offering is limited to all existing subscribers at their existing locations.
** This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

**CITIZENS BUNDLED SERVICES**

L. Frontier Business Essentials** (Continued) (02/03/2022)

2. Regulations

a. The Frontier Business Essentials is available where technically feasible.

b. The bundles are offered on a month to month basis.

c. The bundle rate includes Extended Area Service (EAS), where provided. The call detail for EAS calls will not be displayed on the bill.

d. Federal Subscriber Line Charge will be billed separately from the Bundle offering. Other surcharges and taxes will apply.

e. The bundle cannot be used in association with a Residential Line, PBX Service, or ISDN service.

3. Rates and Charges

| | Per Month |
|---|---|
| Frontier Business Essentials Package | $77.99 (01/06/2025 |
| Enhanced Feature Pack* | $4.49 (01/30/2023) |
| Frontier Business All In Feature Package | $5.49 (01/30/2023) |

* This service offering is limited to all existing subscribers at their existing locations.

** This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

## CITIZENS BUNDLED SERVICES

M. Frontier Digital Phone Plus Service*

1. General

a. The Frontier Digital Phone Plus Service is a package offering available to residential customers and includes two flat-rate residential one-party service access lines and the customer's choice of the features and services listed below, including certain non-regulated services.

Two Flat-Rate Residential One-Party Access Lines
Extended Area Service (where provided)
Call Forwarding Busy Line (Fixed)
Call Forward No Answer (Fixed)
Call Waiting /Cancel Call Waiting
Caller ID – Name and Number
Voicemail with Message Waiting Indicator (non-regulated)

b. Enhanced Feature Pack

The following services are included in the feature package and may be added to the bundle.

Automatic Busy Redial
Automatic Call Return
Three-Way Calling
Speed Call 8 or 30
Call Forwarding

* This service offering is limited to all existing subscribers at their existing locations.

(1) Periodically, the Company may offer various "save Incentives" in the event of a competitive threat. Such incentives may be limited to specific markets, specific dates, specific products or specific pricing plans or customers who have received offers from competing service providers. Term requirements and termination liabilities may be a condition of the Save Incentive Offer. (T)

(T)

## CITIZENS BUNDLED SERVICES

M. Frontier Digital Phone Plus Service* (Continued)

2. Regulations

a. The Frontier Digital Phone Plus Service is available where technically feasible.

b. The features are provided subject to their individual service regulations as specified in this tariff.

c. The bundle rate includes Extended Area Service (EAS). The call detail for EAS calls will not be displayed on the bill.

d. Federal Subscriber Line Charge will be billed separately from the Bundle offering. Other surcharges and taxes will apply.

e. Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing tariff rules

f. Customers may add or delete any features offered in the package without a service order charge.

g. The bundle is offered on a one, two, or three, year term basis.

1. If the tariffed rate changes during the term of the contract, the contract rate will remain in effect in the customer's contract.

2. If the customer cancels the bundle before the end of the term contract, an early termination charge of $200.00 shall apply

h. The bundle will appear as a single line item on the bill.

i. The custom calling features included in the Frontier Digital Phone Plus bundle will be activated on only one of the access lines designated by the customer.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Digital Phone Plus Service | $49.99 |
| Enhanced Feature Pack | $6.49 (11/25/2024) |

* This service offering is limited to all existing subscribers at their existing locations.

## CITIZENS BUNDLED SERVICES

N. Frontier Business Metro* (02/03/2022)

1. General

a. Frontier Business Metro Service is a bundled offering available to business customers that subscribe to a maximum of ten Single Party Business Lines per customer location. In each bundle, customers may select any or all of the following services and features:

One Single Party Business Access Line
Extended Area Service (where provided)
Call Forwarding (Fixed)
Call Waiting
Caller ID – Name and Number
Voicemail with Message Waiting Indicator (Non-regulated)

b. Enhanced Feature Pack

The following services are included in the feature package and may be added to the bundle.

Automatic Busy Redial
Automatic Call Return
Three-Way Calling
Speed Call 8 or 30
Call Forwarding

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

## CITIZENS BUNDLED SERVICES

N. Frontier Business Metro* (Continued) (02/03/2022)

2. Regulations

a. The Frontier Business Metro bundle is available where technically feasible.

b. The bundles are offered on a month-to-month basis.

c. The bundle rate includes Extended Area Service (EAS). The call detail for EAS calls will not be displayed on the bill.

d. Federal Subscriber Line Charge will be billed separately from the Bundle offering. Other surcharges and taxes will apply.

e. The bundle cannot be used in association with a Residential Line, PBX Service, Centrex, or ISDN service.

f. The features are provided subject to their individual service regulations as specified in the applicable sections of the tariff.

g. Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing tariff rules.

h. Customers may add or delete any features offered in the package without a Service Ordering Charge. A Service Ordering Charge applies if the customer switches from a bundle to an unbundled service.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Business Metro | $67.99 (01/06/2025) |
| Enhanced Feature Pack | $4.49 (01/30/2023) |

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

## CITIZENS BUNDLED SERVICES

O. Frontier Digital Phone 100* (T)

1. General

   The Frontier Digital Phone 100 is a package offering available to residential customers that subscribe to flat rate service. The package includes one basic Flat Rate Access Line, Extended Area Service, and Speed Calling 8.

2. Regulations

   a. The Frontier Digital Phone 100 is available where technically feasible.

   b. The features are provided subject to their individual service regulations as specified in this tariff.

   c. Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing tariff rules.

   d. Federal Subscriber Line Charge will be billed separately from the bundle offering. All other surcharges and taxes will apply. Extended Area Service, where provided, is included in the bundle and will not be billed separately.

   e. The bundle is offered on a month-to-month basis.

   f. The bundle will appear as a single line item on the bill.

* This service offering is limited to all existing subscribers at their existing locations. (N)

**CITIZENS BUNDLED SERVICES**

O. Frontier Digital Phone 100* (Continued) (T)

2. Regulations (Continued)

g. New customers of this service who are employees of a business participating in the Business Partner Program are eligible for a $40 one-time credit. The Business Partner Program is available to any business that subscribes to the Company's business service.

h. The following features are available at rates specified below: Call Forwarding

Call Forwarding
Busy Line
Call Waiting/Cancel Call Waiting
Caller ID Name
Caller ID Name and Number
Call Waiting ID
Automatic Busy Redial
Automatic Call Return
Three-Way Calling
Speed Call 30
Call Trace

3. Rates and Charges

| | |
|---|---|
| Monthly Rate | $23.99 |
| One Feature | $5.99 |
| Two Features | $7.99 |
| Three Features | $9.99 |
| All Listed Features | $12.99 |

* This service offering is limited to all existing subscribers at their existing locations. (N)

## CITIZENS BUNDLED SERVICES

P. Frontier Digital Phone Essentials 1- 2010* (T)

1. General

a. The Frontier Digital Phone Essentials 1 is a package offering available to residential customers that subscribe to flat rate service. The package includes one basic Flat Rate Access Line, Extended Area service (where provided) and a combination of local features. Customer's can take any combination of features for the same flat rate charge.

Call Forwarding
Three-Way Calling
Call Waiting/Cancel Call Waiting
Call Waiting ID
Caller ID – Name and Number

b. Unlimited Feature Pack

The following services are included in the feature package and may be added to the bundle.

Call Forward Busy
Caller ID Number
Automatic Call Return
Automatic Busy Redial
Speed Call 30
Call Tracing Service

* This service offering is limited to all existing subscribers at their existing locations. (N)

## CITIZENS BUNDLED SERVICES

P. Frontier Digital Phone Essentials 1 - 2010* (Continued)

2. Regulations

a. The Frontier Digital Phone Essentials 1 is available where technically feasible.

b. The bundles are offered on a month-to-month basis.

c. The bundle rate includes Extended Area Service (EAS). The call detail for EAS calls will not be displayed on the bill.

d. Federal Subscriber Line Charge will be billed separately from the Bundle offering. Other surcharges and taxes will apply.

e. The features are provided subject to their individual service regulations as specified in the applicable sections of the tariff.

f. Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing tariff rules.

g. Customers may add or delete any features offered in the package without a Service Ordering Charge. A Service Ordering Charge applies if the customer switches from a bundle to an unbundled service.

h. The bundle will appear as a single line item on the bill.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Monthly Rate | $28.99 |
| Unlimited Feature Package | $6.49 (11/25/2024) |

* This service offering is limited to all existing subscribers at their existing locations.

## CITIZENS BUNDLED SERVICES

S. Frontier Digital Phone Nationwide Unlimited with Essentials 1 – 2010* (T)

1. General

a. The Frontier Digital Phone Nationwide Unlimited with Essentials 1 is a package offering available to residential customers that subscribe to flat rate service. The package includes one basic Flat Rate Access Line, Extended Area Service (where provided) and a combination of local features. Customers can take any combination of features for the same flat rate charge.

Call Forward Busy Line/No Answer (Variable)
Caller ID - Name and Number
Call Waiting/Cancel Call Waiting Three-Way Calling
Automatic Busy Redial Speed Call 8 Automatic Call Return 10 free DA Calls
Voice Mail with Message Waiting Indication (non-regulated)

b. Enhanced Feature Pack

The following services are included in the feature package and may be added to the bundle.

Speed Call 30
Call Forwarding Busy/No Answer (Fixed)
Call Forwarding Busy Line (Fixed)

* This service offering is limited to all existing subscribers at their existing locations. (N)

## CITIZENS BUNDLED SERVICES

S. Frontier Digital Phone Nationwide Unlimited with Essentials 1 – 2010* (Continued)

2. Regulations

a. The Frontier Digital Phone Nationwide Unlimited with Essentials 1 is available where technically feasible.

b. The bundles are offered on a month-to-month basis.

c. The bundle rate includes Extended Area Service (EAS), where provided. The call detail for EAS calls will not be displayed on the bill.

d. Federal Subscriber Line Charge will be billed separately from the Bundle offering. Other surcharges and taxes will apply.

e. The features are provided subject to their individual service regulations as specified in the applicable sections of the tariff.

f. The bundle will appear as a single line item on the bill.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Frontier Digital Phone Nationwide Unlimited with Essentials 1 | $39.99 |
| Enhanced Feature Pack | $6.49 (11/25/2024) |

* This service offering is limited to all existing subscribers at their existing locations.

## CITIZENS BUNDLED SERVICES

T. Frontier Digital Phone Nationwide Unlimited with Essentials 4 – 2010* (T)

1. General

a. The Frontier Digital Phone Nationwide Unlimited with Essentials 4 is a package offering available to residential customers that subscribe to flat rate service. The package includes one basic Flat Rate Access Line, Extended Area Service (where provided) and a combination of local features. Customers can take any combination of features for the same flat rate charge.

Call Forward Busy/No Answer (Variable)
Caller ID - Name and Number
Call Waiting/Cancel Call Waiting
Voice Mail with Message Waiting Indication (non-regulated)

b. Enhanced Feature Pack

The following services are included in the feature package and may be added to the bundle.

Speed Calling 30
Call Forwarding Busy/No Answer (Fixed)
Call Forwarding Busy Line (Fixed)
Three-Way Calling
Automatic Busy Redial
Speed Call 8
Automatic Call Return

* This service offering is limited to all existing subscribers at their existing locations. (N)

## CITIZENS BUNDLED SERVICES

T. Frontier Digital Phone Nationwide Unlimited with Essentials 4 – 2010* (Continued)

2. Regulations

a. The Frontier Digital Phone Nationwide Unlimited with Essentials 4 is available where technically feasible.

b. The bundles are offered on a month-to-month basis.

c. The bundle rate includes Extended Area Service (EAS), where provided. The call detail for EAS calls will not be displayed on the bill.

d. Federal Subscriber Line Charge will be billed separately from the Bundle offering. Other surcharges and taxes will apply.

e. The features are provided subject to their individual service regulations as specified in the applicable sections of the tariff.

f. The bundle will appear as a single line item on the bill.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Monthly Rate | $19.99 |
| Enhanced Feature Pack | $ 6.49 (11/25/2024) |

* This service offering is limited to all existing subscribers at their existing locations.

## CITIZENS BUNDLED SERVICES

U. Frontier Digital Phone Nationwide Unlimited Plus with Essentials 1 – 2010* (T)

1. General

a. The Frontier Digital Phone Nationwide Unlimited Plus with Essentials 1 is a package offering available to residential customers that subscribe to flat rate service. The package includes two basic Flat Rate Access Line, Extended Area Service (where provided) and a combination of local features. Customers can take any combination of features for the same flat rate charge. Features are added to the first line only.

Call Forward Busy/No Answer (Variable)
Caller ID - Name and Number
Call Waiting/Cancel Call Waiting
Three-Way Calling
Automatic Busy Redial
Speed Call 8
Automatic Call Return
10 free DA Calls
Voice Mail with Message Waiting Indication (non-regulated)

b. Enhanced Feature Pack

The following services are included in the feature package and may be added to the bundle.

Speed Calling 30
Call Forwarding Busy/No Answer (Fixed)
Call Forwarding Busy Line (Fixed)

* This service offering is limited to all existing subscribers at their existing locations. (N)

## CITIZENS BUNDLED SERVICES

U. Frontier Digital Phone Nationwide Unlimited Plus with Essentials 1 – 2010* (Continued)

2. Regulations

a. The Frontier Digital Phone Nationwide Unlimited Plus with Essentials 1 is available where technically feasible.

b. The bundles are offered on a month-to-month basis.

c. The bundle rate includes Extended Area Service (EAS), where provided. The call detail for EAS calls will not be displayed on the bill.

d. Federal Subscriber Line Charge will be billed separately from the Bundle offering. Other surcharges and taxes will apply.

e. The features are provided subject to their individual service regulations as specified in the applicable sections of the tariff.

f. The bundle will appear as a single line item on the bill.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Frontier Digital Phone Nationwide Unlimited Plus with Essentials 1 | $39.99 |
| Enhanced Feature Pack | $ 6.49 (11/25/2024) |

* This service offering is limited to all existing subscribers at their existing locations.

## CITIZENS BUNDLED SERVICES

V. Frontier Digital Phone Nationwide Unlimited Plus with Essentials 4 – 2010*

1. General

a. The Frontier Digital Phone Nationwide Unlimited Plus with Essentials 4 is a package offering available to residential customers that subscribe to flat rate service. The package includes two basic Flat Rate Access Line, Extended Area Service (where provided) and a combination of local features. Customers can take any combination of features for the same flat rate charge. Features are added to the first line only.

Call Forward Busy/No Answer (Variable)
Caller ID - Name and Number
Call Waiting/Cancel Call Waiting
Voice Mail with Message Waiting Indication (non-regulated)

b. Enhanced Feature Pack

The following services are included in the feature package and may be added to the bundle.

Speed Calling 30
Call Forwarding Busy/No Answer (Fixed)
Call Forwarding Busy Line (Fixed)
Three-Way Calling
Automatic Busy Redial
Speed Call 8
Automatic Call Return

* This service offering is limited to all existing subscribers at their existing locations. (N)

## CITIZENS BUNDLED SERVICES

V. Frontier Digital Phone Nationwide Unlimited Plus with Essentials 4 – 2010* (Continued)

2. Regulations

a. The Frontier Digital Phone Nationwide Unlimited Plus with Essentials 4 is available where technically feasible.

b. The bundles are offered on a month-to-month basis.

c. The bundle rate includes Extended Area Service (EAS), where provided. The call detail for EAS calls will not be displayed on the bill.

d. Federal Subscriber Line Charge will be billed separately from the Bundle offering. Other surcharges and taxes will apply.

e. The features are provided subject to their individual service regulations as specified in the applicable sections of the tariff.

f. The bundle will appear as a single line item on the bill.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Monthly Rate | $19.99 |
| Enhanced Feature Pack | $ 6.49 (11/25/2024)) |

* This service offering is limited to all existing subscribers at their existing locations.

## CITIZENS BUNDLED SERVICES

W. Frontier Business Nationwide Unlimited Service I** (T)

1. General

   a. The Frontier Business Nationwide Unlimited Service I is a package offering available to business customers who subscribe to a maximum of twelve one Party business access lines per customer location. Frontier Business Nationwide Unlimited Service I features and services are listed below.

      One Business Access Line
      Caller ID - Name and Number
      Call Forwarding Busy Line/No Answer
      Extended Area Service (where applicable)
      Frontier Deluxe Voice Mail (non-regulated)
      Eight features from the Frontier Business All In Feature Package listed below.

   b. Frontier Business All In Feature Package

      Call Waiting/Cancel Call Waiting  Automatic Call Return
      Three-Way Calling  Call Transfer
      Speed Calling 8 or 30 Numbers  Caller ID Blocking
      Distinctive Ring  Automatic Busy Redial
      Call Forwarding  Selective Call Acceptance
      Selective Call Forwarding  Call Forwarding – Busy Line
      Call Forward No Answer  Call Waiting - ID

2. Regulations

   a. The Frontier Business Nationwide Unlimited Service I is available where technically feasible.

   b. The features are provided subject to their individual service regulations as specified in this tariff.

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers. (T)

## CITIZENS BUNDLED SERVICES

W. Frontier Business Nationwide Unlimited Service I**(Continued)

2. Regulations (Continued)

c. Call Detail for Extended Area Service (where applicable) will not be displayed on the Customer's monthly telephone bill.

d. Frontier Business Nationwide Unlimited Service I includes basic local service and non-basic local services. Nonpayment or partial payment of the basic local service charge within the bundle may result in disconnection of basic local service.

e. Customers may add or delete any features offered within the bundle without incurring a service charge.

f. The bundle rate will appear as a single line item on the customer's bill.

g. The bundles are offered on a month to month basis.

h. The bundle cannot be used in association with a residential Line, PBX service, Remote Call Forwarding service, ISDN service, Toll Free service, or Foreign Exchange services.

i. Up to eleven additional bundles can be purchase at the rate specified under Rates and Charges.

j. Customers may select any eight features in the Frontier Business All In Feature Package for no extra charge.

k. Customers purchasing the Frontier Business All in Feature Package may select any or all of the features listed in that package.

3. Rates and Charges

a. Federal Subscriber Line Charge will be billed separately from the bundles offering. All other surcharges and taxes will apply.

| | Monthly Rate |
|---|---|
| First Frontier Business Nationwide Unlimited Service I Line | $89.99 (01/06/2025) |
| Additional Frontier Business Nationwide Unlimited Service I Lines | $79.99 (01/06/2025) |
| Frontier Business All In Feature Package, per line | $ 5.49 (01/30/2023) |

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers.

## CITIZENS BUNDLED SERVICES

X. Frontier Business Nationwide Unlimited Service II* (02/03/2022)

1. General

a. The Frontier Business Nationwide Unlimited Service II is a package offering available to business customers who subscribe to a maximum of twelve one Party business access lines per customer location. Frontier Business Nationwide Unlimited Service II features and services are listed below.

One Business Access Line
Caller ID - Name and Number
Call Forwarding Busy/No Answer
Extended Area Service (Where applicable)
Frontier Deluxe Voice Mail
Six features from the Frontier Business All In Feature Package listed below.

b. Frontier Business All In Feature Package

| | |
|---|---|
| Call Waiting/Cancel Call Waiting | Automatic Call Return |
| Three-Way Calling | Selective Call Forwarding |
| Speed Calling 8 or 30 Numbers | Caller ID Blocking |
| Distinctive Ring | Automatic Busy Redial |
| Call Forwarding | Selective Call Acceptance |
| Call Transfer | Call Forwarding Busy Line |
| Call Forward No Answer | Call Waiting - ID |

2. Regulations

a. The Frontier Business Nationwide Unlimited Service II is available where technically feasible.

b. The features are provided subject to their individual service regulations as specified in this tariff.

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

**CITIZENS BUNDLED SERVICES**

X. Frontier Business Nationwide Unlimited Service II* (Continued) (02/03/2022)

. Regulations (Continued)

c. Call Detail for Extended Area Service (where applicable) will not be displayed on the Customer's monthly telephone bill.

d. Frontier Business Nationwide Unlimited Service II includes basic local service and non-basic local services. Nonpayment or partial payment of the basic local service charge within the bundle may result in disconnection of basic local service.

e. Customers may add or delete any features offered within the bundle without incurring a service charge.

f. The bundle rate will appear as a single line item on the customer's bill.

g. The bundles are offered on a month to month basis

h. The bundle cannot be used in association with a residential Line, PBX service, Remote Call Forwarding service, ISDN service, Toll Free service, or Foreign Exchange services.

i. Up to eleven additional bundles can be purchase at the rate specified under Rates and Charges.

j. Customers may select any six features in the Frontier Business All In Feature Package for no extra charge.

k. Customers purchasing the Frontier Business All in Feature Package may select any or all of the features listed in that package.

3. Rates and Charges

a. Federal Subscriber Line Charge will be billed separately from the bundles offering. All other surcharges and taxes will apply.

| | Monthly Rate |
|---|---|
| First Frontier Business Nationwide Unlimited Service II Line | $75.99 (01/06/2025) |
| Additional Frontier Business Nationwide Unlimited Service II Lines | $69.99 (01/06/2025) |
| Frontier Business All In Feature Package, per line | $ 5.49 (01/30/2023) |

* This service is grandfathered and limited to all existing subscribers at their existing locations as of March 2, 2022. (02/03/2022)

## CITIZENS BUNDLED SERVICES

Y. Frontier Business Local Unlimited I** (T)

1. General

   a. The Frontier Business Local Unlimited I is a package offering available to business customers, including the features and services listed below.

      One Business Access Line
      Extended Area Service (where applicable)
      Three features from the Frontier Business All In Feature Package listed below.

   b. Frontier Business All In Feature Package

| | |
|---|---|
| Call Waiting/Cancel Call Waiting | Automatic Call Return |
| Three-Way Calling | Selective Call Forwarding |
| Speed Calling 8 or 30 Numbers | Caller ID Blocking |
| Distinctive Ring | Automatic Busy Redial |
| Call Forwarding | Selective Call Acceptance |
| Call Transfer | Call Forwarding Busy Line |
| Call Forward No Answer | Call Waiting - ID |
| Caller ID Name and Number | Frontier Basic or Deluxe Voice Mail |

2. Regulations

   a. The Frontier Business Local Unlimited I is available where technically feasible.

   b. The features are provided subject to their individual service regulations as specified in this tariff.

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers. (T)

**CITIZENS BUNDLED SERVICES**

Y. Frontier Business Local Unlimited I** (Continued)

2. Regulations (Continued)

c. Call Detail for Extended Area Service (where applicable) will not be displayed on the Customer's monthly telephone bill.

d. Frontier Business Local Unlimited I includes basic local service and non-basic local services. Nonpayment or partial payment of the basic local service charge within the bundle may result in disconnection of basic local service.

e. All Applicable surcharges and taxes will be billed separately from and in addition to the bundle rate.

f. The bundle cannot be used in association with a Residential line, PBX service or ISDN service.

g. Customers may select any three features in the Frontier Business All In Feature Package for no extra charge.

h. Customers purchasing the Frontier Business All in Feature Package may select any or all of the features listed in that package.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Frontier Business Local Unlimited I | $65.99 (01/06/2025) |
| Frontier Business All In Feature Package | $5.49 (01/30/2023) |

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers.

## CITIZENS BUNDLED SERVICES

Z. Frontier Business Local Unlimited II** (T)

1. General

   a. The Frontier Business Local Unlimited II is a package offering available to business customers, including the features and services listed below.

      One Business Access Line
      Extended Area Service (Where applicable)
      Two features from the Frontier Business All In Feature Package listed below.

   b. Frontier Business All In Feature Package

| | |
|---|---|
| Call Waiting/Cancel Call Waiting | Automatic Call Return |
| Three-Way Calling | Selective Call Forwarding |
| Speed Calling 8 or 30 Numbers | Caller ID Blocking |
| Distinctive Ring | Automatic Busy Redial |
| Call Forwarding | Selective Call Acceptance |
| Call Transfer | Call Forwarding Busy Line |
| Call Forward No Answer | Call Waiting - ID |
| Caller ID Name and Number | Frontier Basic or Deluxe Voice Mail |

2. Regulations

   a. The Frontier Business Local Unlimited II is available where technically feasible.

   b. The features are provided subject to their individual service regulations as specified in this tariff.

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers. (T)

**CITIZENS BUNDLED SERVICES**

Z. Frontier Business Local Unlimited II** (Continued)

2. Regulations (Continued)

c. Call Detail for Extended Area Service (where applicable) will not be displayed on the Customer's monthly telephone bill.

d. Frontier Business Local Unlimited II includes basic local service and non-basic local services. Nonpayment or partial payment of the basic local service charge within the bundle may result in disconnection of basic local service.

e. All Applicable surcharges and taxes will be billed separately from and in addition to the bundle rate.

f. The bundle cannot be used in association with a Residential line, PBX service or ISDN service.

g. Customers may select any two features in the Frontier Business All In Feature Package for no extra charge.

h. Customers purchasing the Frontier Business All in Feature Package may select any or all of the features listed in that package.

3. Rates and Charges

| | Monthly Rate |
|---|---|
| Frontier Business Local Unlimited II | $58.99 (01/06/2025) |
| Frontier Business All In Feature Package | $5.49 (01/30/2023) |

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers.

## CITIZENS BUNDLED SERVICES

AA. ISDN - Primary Rate Interface (ISDN-PRI) Bundle

1. General

   Integrated Services Digital Network (ISDN) - Primary Rate Interface (PRI) Bundle Service is an optional business package that provides a digital trunk with 23 B- channels for circuit switched voice and data and 1 D-Channel for signaling plus Caller ID and the option of Direct Inward Dialing (DID) numbers.

2. Regulations

   a. ISDN PRI Bundle Service is available where technically feasible.

   b. The bundles are offered for 2-, 3- and 5-year term commitments. A termination fee of 50% of the Monthly Recurring Charges will incur for the remainder of the term commitment period.

   c. A customer may convert an existing term commitment to a new term commitment prior to the completion of the existing term without penalty. The customer will be charged a Subsequent Activity Charge for the change and will pay the current rates in effect for the term commitment chosen.

   d. When a customer's serving office is not suitably equipped and/or the customer chooses to subscribe to ISDN-PRI Service from another central office, the customer will utilize the dialing plan associated with the designated ISDN-PRI central office. For PRIs served from an alternate central office, the normal PRI rates will apply in addition to the charges for Special Transport Termination and Special Transport (Mileage).

   e. ISDN-PRI customers who are served from a foreign node may request to have their service provided from their local central office when facilities become available at that office. The Initial Service Ordering Charge and nonrecurring charges for T-1s and ports will be applicable, and termination charges will not apply on that transfer provided that the quantity of T-1s and ports are preserved. Customers who choose to continue service from a foreign node will be subject to the monthly rate for interoffice facilities. In addition, a number change generally will be required on any transfer from a foreign node to a local central office.

**CITIZENS BUNDLED SERVICES**

AA. ISDN - Primary Rate Interface (ISDN-PRI) Bundle (Continued)

2. Regulations (Continued)

f. Ports will be provided at the T-1 level only.

g. Customer provided equipment used to connect to ISDN-PRI Bundle Service must meet Company requirements.

h. The Company shall not be responsible to the customer if changes in any of the facilities, operations, or procedures utilized in the provision of ISDN-PRI Bundle Service render any equipment provided by a customer obsolete or require any modification or alteration of such equipment or system or otherwise affect its use or performance.

i. The customer must subscribe to services and specify each type of traffic that will be transported across the ISDN-PRI Bundle Service port (i.e., DID, DOD). All rates and regulations for these services will apply. The bundle is offered as flat rate voice with measured data. Usage charges generated by using ISDN-PRI will be measured and billed in accordance with the rates specified in this tariff.

j. Appropriate nonrecurring charges apply for installation of and changes to ports, T-1s and features ordered by the customer except as set forth in Rates and Charges following.

**CITIZENS BUNDLED SERVICES**

AA. ISDN - Primary Rate Interface (ISDN-PRI) Bundle (Continued)

3. Rates and Charges

| 2-Year Term [1] | Monthly Rate |
|---|---|
| ISDN-PRI Bundle | $934.23 (03/02/2023) |
| ISDN-PRI Bundle with 20 DID Numbers | 949.23 (03/02/2023) |
| ISDN-PRI Bundle with 50 DID Numbers | 954.23 (03/02/2023) |
| ISDN-PRI Bundle with 100 DID Numbers | 959.23 (03/02/2023) |
| **3-Year Term [1]** | |
| ISDN-PRI Bundle | $768.91 (03/02/2023) |
| ISDN-PRI Bundle with 20 DID Numbers | 783.91 (03/02/2023) |
| ISDN-PRI Bundle with 50 DID Numbers | 788.91 (03/02/2023) |
| ISDN-PRI Bundle with 100 DID Numbers | 793.91 (03/02/2023) |
| **5-Year Term [1]** | |
| ISDN-PRI Bundle | $686.25 (03/02/2023) |
| ISDN-PRI Bundle with 20 DID Numbers | 701.25 (03/02/2023) |
| ISDN-PRI Bundle with 50 DID Numbers | 706.25 (03/02/2023) |
| ISDN-PRI Bundle with 100 DID Numbers | 711.25 (03/02/2023) |

[1] Nonrecurring Charges do not apply to the initial installation of an ISDN-PRI Bundle.

## CITIZENS BUNDLED SERVICES

BB. Frontier Digital Phone Essentials** (11/25/2024)

1. General

The Frontier Digital Phone Essentials is a package offering available to residential customers that subscribe to flat rate service. The package includes one basic Flat Rate Access Line, unlimited local calling and a combination of local features. Customers can take any combination of features for the same flat rate charge. The feature pack is optional and is available for an additional charge.

a. Features and Services

Flat Rate Residential Access Line
Caller ID
Extended Area Service
Call Waiting/Cancel Call Waiting

b. Feature Pack

The following services are included in the Feature Package and may be added to the bundle. The feature package will be billed in accordance with the rate listed in the rate section.

Three Way Calling
Busy Number Redial (*66)
Call Return (*69)
Anonymous Call Rejection
Call Forward Variable or Fixed
Selective Call Forwarding
Selective Call Acceptance
Basic or Deluxe Voicemail
Call Forward
Speed Call 30
Distinctive Ring
Call Forward Busy
Selective Call Rejection
Priority Ring

2. Regulations

a. The Frontier Digital Phone Essentials is available where technically feasible.

b. The features are provided subject to their individual service regulations as specified in this tariff.

c. Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing tariff rules.

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

## CITIZENS BUNDLED SERVICES

BB. Frontier Digital Phone Essentials** (Continued) (11/25/2024)

2. Regulations (Continued)

d. When the customer disconnects any component of the bundle, the remaining components of the package will be billed at their individually tariffed rates.

e. Customers may add or delete any features offered in the package without a service order charge.

f. Federal Subscriber Line Charge will be billed separately from the basic bundles offering. All other surcharges and taxes apply and will be billed in addition to the bundle.

g. The bundles are offered on a month to month basis.

h. The bundle will appear as a single line item on the bill.

3. Rates and Charges

| | Per month |
|---|---|
| Frontier Digital Phone Essentials | $21.99 |
| Feature Pack | $6.49 (11/25/2024) |

(1) Periodically, the Company may offer various "save Incentives" in the event of a competitive threat. Such incentives may be limited to specific markets, specific dates, specific products or specific pricing plans or customers who have received offers from competing service providers. Term requirements and termination liabilities may be a condition of the Save Incentive Offer.

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

## CITIZENS BUNDLED SERVICES

CC. Frontier Digital Phone Unlimited** (11/25/2024)

1. General

The Frontier Digital Phone Unlimited Service is a package offering available to residential customers and includes one flat-rate residential one-party service access line, unlimited local calling and the customer's choice of the features and services listed below. The feature pack is optional and is available for an additional charge.

a. Features and Services

| | |
|---|---|
| Flat Rate Residential Access Line | Extended Area Service Caller ID |
| Call Waiting/Cancel Call Waiting ID | Speed Calling 30 |
| Call Return (*69) | Voicemail (non-regulated |

b. Feature Pack

The following services are included in the Feature Package and may be added to the bundle. The feature package will be billed in accordance with the rate listed in the rate section.

| | |
|---|---|
| Busy Number Redial (*66) | Three Way Calling |
| Call Forward | Distinctive Ring |
| Anonymous Call Rejection | |
| Priority Ring | Call Forward Variable or Fixed |
| Call Forward Busy | Selective Call Forwarding |
| Selective Call Rejection | Selective Call Acceptance |

2. Regulations

a. The Frontier Digital Phone Unlimited Service is available where technically feasible.

b. The features are provided subject to their individual service regulations as specified in this tariff.

c. Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing tariff rules.

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

## CITIZENS BUNDLED SERVICES

CC. Frontier Digital Phone Unlimited** (continued) (11/25/2024)

2. Regulations (continued)

   d. Customers may add or delete any features offered in the package without a service order charge.

   e. Federal Subscriber Line Charge will be billed separately from the basic bundles offering. All other surcharges and taxes apply and will be billed in addition to the bundle.

   f. The bundles are offered on a month to month basis.

   g. The bundle will appear as a single line item on the bill.

   h. Nonrecurring charges associated with establishing Frontier Digital Phone Unlimited do not apply.

3. Rates and Charges

| | Per month |
|---|---|
| Frontier Digital Phone Unlimited | $31.99 |
| Feature Pack | $6.49 (11/25/2024) |

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

## CITIZENS BUNDLED SERVICES

DD. Frontier Digital Phone Unlimited Plus** (11/25/2024)

1. General

The Frontier Digital Phone Unlimited Plus Service is a package offering available to residential customers and includes two flat-rate residential one-party service access line, unlimited local calling and the customer's choice of the features and services listed below. The feature pack is optional and is available for an additional charge.

a. Features and Services

| | |
|---|---|
| Two Flat Rate Residential Access Line | Extended Area Service |
| Busy Number Redial (*66) | Caller ID |
| Call Waiting/Cancel Call Waiting | |
| Speed Calling 30 | Call Return (*69) Voicemail (non-regulated) |

b. Feature Pack

The following services are included in the Feature Package and may be added to the bundle. The feature package will be billed in accordance with the rate listed in the rate section.

| | |
|---|---|
| | Three Way Calling |
| Call Forward | Distinctive Ring |
| Anonymous Call Rejection | |
| Priority Ring | Call Forward Variable or Fixed |
| Call Forward Busy | Selective Call Forwarding |
| Selective Call Rejection | Selective Call Acceptance |

2. Regulations

a. The Frontier Digital Phone Unlimited Plus Service is available where technically feasible.

b. The features are provided subject to their individual service regulations as specified in this tariff.

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

## CITIZENS BUNDLED SERVICES

DD. Frontier Digital Phone Unlimited Plus** (continued) (11/25/2024)

2. Regulations (continued)

   c. Non-payment or partial payment of the bill may result in the removal of the regulated services that are included in the package in accordance with existing tariff rules.

   d. Customers may add or delete any features offered in the package without a service order charge.

   e. Federal Subscriber Line Charge will be billed separately from the basic bundles offering. All other surcharges and taxes apply and will be billed in addition to the bundle.

   f. The bundles are offered on a month to month basis.

   g. The bundle will appear as a single line item on the bill.

   h. Nonrecurring charges associated with establishing Frontier Digital Phone Unlimited Plus do not apply.

3. Rates and Charges

| | Per month | |
|---|---|---|
| Frontier Digital Phone Unlimited Plus | $31.99 | |
| Feature Pack | $6.49 | (11/25/2024) |
| Stay Connected Seasonal Service * (06/05/2020) | $9.99 | |

* Stay Connected Seasonal Service is grandfathered. Effective June 5, 2020 this service offering is limited to existing subscribers at existing locations. (06/05/2020)

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

## CITIZENS BUNDLED SERVICES

EE. Frontier Simply Unlimited Service ** (T)

1. General

Frontier Simply Unlimited Service is a package offering available to Business customers that subscribe to a maximum of twelve Single Party Business Lines per customer location. The bundle also includes the Subscriber Line Charge and the Access Recovery Surcharge that is found in the federal tariff. Customers may select any or all of the following services and features for a monthly rate charge.

a. Features and Services

One Flat Rate Business Access Line
Extended Area Service (where applicable)
Call Forwarding Busy/Don't Answer
Caller ID
Voicemail (non-regulated)
Eight Features from the Feature Package listed below

b. Frontier Business All In Feature Package

| | |
|---|---|
| Call Waiting/Cancel Call Waiting | Three Way Calling |
| Multiline Hunt Service | Speed Call 30 |
| Distinctive Ring | Anonymous Call Block |
| Priority Call | Call Transfer |
| Selective Call Acceptance | Caller ID Blocking |
| Call Return (*69) | Busy Number Redial (*66) |
| Call Forwarding | Call Forwarding – Busy Line |
| | Select Call Forwarding |
| Selective Call Rejection | Call Forwarding Don't Answer |

2. Regulations

a. The Frontier Simply Unlimited Service is available where technically feasible.

b. The features are provided subject to their individual service regulations as specified in this tariff.

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers. (T)

## CITIZENS BUNDLED SERVICES

EE. Frontier Simply Unlimited Service ** (Continued)

2. Regulations (Continued)

c. Call detail for Extended Area Service will not be displayed on the customer's monthly telephone bill.

d. Frontier Simply Unlimited Service includes basic local service and non- basic local services. Nonpayment or partial payment of the basic local service charge within the package may result in disconnection of your basic local service.

e. Customers may add or delete any features offered in the package without a service order charge.

f. The bundle will appear as a single line item on the customer's bill.

g. The package cannot be used in association with a Residential Line, PBX Service, ISDN Service, Toll Free Service, and Foreign Exchange Services.

h. The bundles are offered on a month-to-month basis.

i. Bundles on line four through twelve are given an additional discount.

3. Rates and Charges

a. The Interstate Subscriber Line charge and the Access Recovery charge are included in the bundle. Other applicable surcharges and taxes will be billed separately from and are in addition to the package rate.

b. Unless otherwise stated elsewhere in this section, Connection Charges apply to the installation of individual components of the package.

| | Monthly Rate |
|---|---|
| Frontier Simply Unlimited Service (Lines 1 to 3) | $71.99 (01/06/2025) |
| Each Additional Package (Lines 4 to 12) | $56.99 (01/06/2025) |
| Frontier Business All in Feature Package | $5.49 (01/30/2023) |

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers.

## CITIZENS BUNDLED SERVICES

FF. Frontier OneVoice

1. General

Frontier OneVoice is a bundled offering available to Business customers that subscribe to Single Party Business Line. The bundle includes the following components: one Basic Flat Rate Access Line, Custom Calling features, and Unlimited Extended Area Service. Customers may select any or all of the following services and features for a monthly rate charge.

a. Features and Services

Single Party Flat Rate Access Line
Call Forwarding Busy/No Answer
Unlimited Extended Area Service
Call Waiting/Cancel Call Waiting
Caller ID
Anonymous Call Rejection
Call Forward
Multi-line Hunting
3-Way Calling

b. Premium Feature Package Call Return (*69)

Call Transfer
Distinctive Ring
Busy Number Redial (*66)
Priority Call
Selective Call Forward
Selective Call Acceptance
Selective Call Rejection
Speed Call 30

2. Regulations

a. The bundle is available only where facilities and operating systems are available and technically feasible.

b. The features are provided subject to their individual service regulations as specified in this tariff.

c. Call detail for Unlimited Extended Area Service will not be displayed on the customer's monthly telephone bill.

**CITIZENS BUNDLED SERVICES**

EE. Frontier Simply Unlimited Service (continued)

2. Regulations (continued)

d. Partial payment of the basic local service charge within the bundle may result in disconnection of your basic local service.

e. Customers may add or delete any features offered within the bundle without incurring a Service Connection Charge or an early termination fee.

f. The bundle will appear as a single line item on the customer's bill.

g. The bundle is available only to customers who are served from a central office in which services in the bundle are offered and can be provided by the Company to the customer.

h. The bundle cannot be used in association with a Residential Line, Remote Call Forwarding Service, ISDN Service, Centrex, and Foreign Exchange Services.

i. The bundle is offered on a month-to-month, one, two** or three* year term basis. (04/03/2024)

Text Deleted (07/27/2020)

3. Rates and Charges

a. Surcharges and taxes will be billed separately from and are in addition to the bundle rate.

b. New customers will incur a non-recurring charge up to $95.00 per account. This charge supersedes the Initial Order and Connection charges. (07/27/2020)

| | Monthly Rate |
|---|---|
| Monthly Rate Basic Bundle | $69.99 (08/22/2025) |
| Term Price with 1, 2** or 3* year commitment | $54.99 (08/22/2025) |
| Premium Feature Package | $9.99 |

* The three year term plan is grandfathered as of March 1, 2024. Customers at the end of their three year term plan will be moved to a month to month, one, or two year term commitment. (01/31/2024)

** The two year term plan is grandfathered as of May 3, 2024. Customers at the end of their two year term plan will be moved to a month to month, or one year term commitment. (04/03/2024)

## CITIZENS BUNDLED SERVICES

EF. Frontier Commercial Voice Unlimited**

1. General

Frontier Commercial Voice Unlimited is a bundled offering available to Business customers that subscribe to a maximum of twelve Single Party Business Lines per customer location. The bundle includes the following components: one Basic Flat Rate Access Line, Custom Calling features, and Unlimited Extended Area Service. The bundle also includes the Subscriber Line charge and the Access Recovery Charge that is tariffed in the appropriate FCC tariff.

Basic Bundle
Single Party Flat Rate Access Line
(Touchtone) where applicable
Call Forward
Call Forward Busy
Call Forward No Answer
Call Waiting/Cancel Call Waiting
Caller ID
Three Way Calling
Hunting

2. Regulations

1. The bundle is available only where facilities and operating systems are available and technically feasible.

2. The features are provided subject to their individual service regulations as specified in the applicable schedules of the tariff.

3. Call Detail for Unlimited Extended Area Service will not be displayed on the customer's monthly telephone bill.

4. Frontier Commercial Voice Unlimited includes basic local service and non-basic local services. Nonpayment or partial payment of the basic local service charge within the bundle may result in disconnection of your basic local service.

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers. (T)

**CITIZENS BUNDLED SERVICES**

EF. Frontier Commercial Voice Unlimited (continued)** (T)

2. Regulations (continued)

5. Customers may add or delete any features offered within the bundle without incurring a Service Connection Charge.

6. The bundle rate will appear as a single line item on the customer's bill.

7. The bundle is available only to customers who are served from a central office in which services in the bundle are offered and can be provided by the Company to the customer.

8. The bundle cannot be used in association with a Residential Line, PBX Service, Remote Call Forwarding Service, ISDN Service, Toll Free Service, and Foreign Exchange Services.

9. The bundle is offered on a month-to-month, or one year term basis.

10. Customers in a term plan will be charged a termination fee for cancelling before the term is up. The early termination fee is the monthly charge times the remaining months in the term.

11. At the end of the one year term, customers will be moved to the month pricing.

3. Rates and Charges

- Interstate End User Subscriber Line charge and Access Recovery Charges are included in the bundle. Other applicable surcharges and taxes will be billed separately from and are in addition to the bundle rate.

- Unless otherwise stated elsewhere in this section, Connection Charges apply to the installation of individual components of the bundle.

| | Monthly Rate |
|---|---|
| | Basic Bundle |
| Month to Month | $33.00 |
| One Year Term | $28.00 |
| Two Year Term | $28.00 |

**This service is Grandfathered. Effective December 20, 2017 this service offering is limited to existing subscribers. (T)

## CITIZENS BUNDLED SERVICES

EG. FRONTIER DIGITAL PHONE UNLIMITED (CHALLENGER)** (11/25/2024)

1. GENERAL

The Frontier Digital Phone Unlimited (Challenger) Service is a bundle offering available to residential customers. The bundle includes one Residential Local Exchange Network Access Line, Unlimited Extended Area Service and the customer's choice of the features and services listed below. The feature package is optional and is available for an additional charge.

Basic Bundle

| | |
|---|---|
| Local Exchange Network Access Line | Caller ID with Name |
| Unlimited Extended Area Service | Call Waiting/Cancel Call Waiting |

Feature Package

| | |
|---|---|
| *66 Busy Number Redial | Speed Call 30 |
| *69 Call Return | Distinctive Ring |
| Anonymous Call Block/Rejection | 3 Way Calling |
| Basic Call Forward | Call Forward Busy/No Answer |
| Selective Call Forward | Priority Call |

2. CONDITIONS

a. The bundle is available only where facilities and operating systems are available and technically feasible.

b. The features are provided subject to their individual service regulations as specified in the applicable sections of the Tariff.

c. When the customer disconnects any component of the bundle, the remaining components of the bundle will be billed at their individually Tariffed rates.

d. Non-payment or partial payment of the bill may result in the removal of the services that are included in the bundle in accordance with existing Tariff rules.

e. Customers may add or delete any features offered in the bundle without a service order charge.

f. No discounts will be given to subscribers that do not use all the features or have some features turned off.

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

**CITIZENS BUNDLED SERVICES**

EG. FRONTIER DIGITAL PHONE UNLIMITED (CHALLENGER)** (Continued) (11/25/2024)

2. CONDITIONS (Continued)

   g. Federal Subscriber Line Charge will be billed separately from the basic bundles offering. All other surcharges and taxes will apply.

   h. The bundle is offered on a month-to-month basis.

   i. The bundle will appear as a single line item on the bill.

   j. The bundled rate includes all available Extended Area Service (EAS) calling in exchanges where EAS is offered.

   k. Call detail for Extended Area Service will not be displayed on the customer's monthly telephone bill.

   l. Unlimited Extended Area Service is only available in designated exchange areas as defined in the Tariff.

3. RATES AND CHARGES

   a. Federal Subscriber Line Charge will be billed separately from the basic bundles offering. All other surcharges and taxes apply and will be billed in addition to the bundle.

   b. Nonrecurring charges associated with establishing Frontier Digital Phone Unlimited (Challenger) do not apply.

   c. Frontier Digital Phone Unlimited (Challenger) bundle is provided at the following rates:

| | Monthly Rate |
|---|---|
| Frontier Digital Phone Unlimited (Challenger) | $21.99 |
| Feature Package | $6.49 (11/25/2024) |

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

## CITIZENS BUNDLED SERVICES

E5. FRONTIER DIGITAL PHONE UNLIMITED PLUS (CHALLENGER)** (11/25/2024)

1. GENERAL

The Frontier Digital Phone Unlimited Plus (Challenger) Service is a bundle offering available to residential customers and includes two flat-rate residential one-party service access lines and the customer's choice of the features and services listed below. The feature package is optional and is available for an additional charge.

Basic Bundle

Unlimited Extended Area Service
Caller ID with Name
Call Waiting/Cancel Call Waiting

Feature Package

Call Waiting
*66 Busy Number Redial
*69 Call Return
Anonymous Call Block/Rejection
Basic Call Forward
Selective Call Forward
Speed Call 30
Distinctive Ring
3 Way Calling
Call Forward Busy/No Answer
Priority Call

2. CONDITIONS

a. The Frontier Digital Phone Unlimited Plus (Challenger) Service is available where technically feasible.

b. The features and services, except those listed as non-regulated or federally tariffed, are provided subject to the descriptions and regulations as specified elsewhere in the Tariff.

c. Non-payment or partial payment of the bill may result in the removal of the services that are included in the bundle in accordance with existing Tariff rules.

d. Customers may add or delete any features offered in the bundle without a service order charge.

e. No discounts will be given to subscribers that do not use all the features or have some features turned off.

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

**CITIZENS BUNDLED SERVICES**

E5. FRONTIER DIGITAL PHONE UNLIMITED PLUS (CHALLENGER)** (Continued) (11/25/2024)

2. CONDITIONS (Continued)

f. The bundle is offered on a month-to-month basis.

g. The bundle will appear as a single line item on the bill.

h. Federal Subscriber Line Charge will be billed separately from the basic bundles offering. All other surcharges and taxes will apply.

i. The bundled rate includes all available Extended Area Service (EAS) calling in exchanges where EAS is offered.

j. Call detail for Extended Area Service will not be displayed on the customer's monthly telephone bill.

k. Unlimited Extended Area Service is only available in designated exchange areas as defined in the Tariff.

3. RATES AND CHARGES

a. Federal Subscriber Line Charge will be billed separately from the basic bundle offering. All other surcharges and taxes will apply.

b. Nonrecurring charges associated with establishing Frontier Digital Phone Unlimited Plus (Challenger) do not apply.

c. Frontier Digital Phone Unlimited Plus (Challenger) bundle is provided at the following rates:

| | Monthly Rate |
|---|---|
| Frontier Digital Phone Unlimited Plus (Challenger) | $21.99 |
| Feature Package | $6.49 (01/30/2023) |

** This service offering is limited to all existing subscribers at their existing locations. (11/25/2024)

**CITIZENS BUNDLED SERVICES**

E6. FRONTIER RESIDENTIAL UNLIMITED VOICE SERVICE (N)

1. GENERAL

The Frontier Residential Unlimited Voice Service is a bundle offering available to residential customers. The bundle includes one Residential Local Exchange Network Access Line, Unlimited Extended Area Service and the customer's choice of the features and services listed below. This bundle also includes an unlimited long-distance component through Frontier Communications of America, Inc. The description and pricing for this component are located In the Frontier Communications of America Domestic price list.

Basic Bundle
Local Exchange Network Access Line
Caller ID with Name
Unlimited Extended Area Service
Call Waiting/Cancel Call Waiting
Call Waiting ID
Anonymous Call Rejection
Basic Voicemail
Touchtone
Unlimited Domestic Long Distance calling including Canada and Mexico

2. CONDITIONS

a. The bundle is available only where facilities and operating systems are available and technically feasible.

b. The features are provided subject to their individual service regulations as specified in the applicable sections of the Tariff.

c. When the customer disconnects any component of the bundle, the remaining components of the bundle will be billed at their individually Tariffed rates.

d. Non-payment or partial payment of the bill may result in the removal of the services that are included in the bundle in accordance with existing Tariff rules.

e. Customers may add or delete any features offered in the bundle without a service order charge.

f. No discounts will be given to subscribers that do not use all the features or have some features turned off.

(N)

**CITIZENS BUNDLED SERVICES**

E6. FRONTIER RESIDENTIAL UNLIMITED VOICE SERVICE (Continued) (N)

2. CONDITIONS (Continued)

g. All taxes and surcharges will apply and be billed separately.

h. The bundle is offered on a month-to-month basis.

i. The bundle will appear as a single line item on the bill.

j. The bundled rate includes all available Extended Area Service (EAS) calling, both mandatory and optional, in exchanges where EAS is offered.

k. Call detail for Extended Area Service will not be displayed on the customer's monthly telephone bill.

l. Unlimited Extended Area Service is only available in designated exchange areas as defined in the Tariff.

m. A customer selecting this bundle is required to be PIC'd to a Frontier Long Distance company and must purchase a qualifying long-distance bundle located in the Frontier Communications of America Domestic Price List.

3. RATES AND CHARGES

a. All surcharges and taxes apply and will be billed in addition to the bundle.

b. An Activation charge of $35.00 will replace the Initial Service Order and Central Office Connection Charge.

c. Customers subscribing to Frontier Residential Unlimited Voice Service and a qualifying Frontier Broadband Service will be given a $23.00 credit per month on their Frontier Broadband Service.

d. Frontier Residential Unlimited Voice Service is provided at the following rates:

| | Monthly Rate |
|---|---|
| Frontier Residential Unlimited Voice Service | $43.00* |

* Rate includes unlimited long distance provided by Frontier Communications of America, Inc.

(N)

## CITIZENS BUNDLED SERVICES

E7. Frontier Unlimited Voice and Feature Bundle (N)

1. GENERAL

The Frontier Unlimited Voice and Feature Bundle is a bundle offering available to residential customers. The bundle includes one Residential Local Exchange Network Access Line, Unlimited Extended Area Service and the customer's choice of the features and services listed below. This bundle also includes an unlimited long-distance component through Frontier Communications of America. The description and pricing for this component are located In the Frontier Communications of America Domestic price list.

Basic Bundle

| | |
|---|---|
| Local Exchange Network Access Line | 3 Way Calling |
| Caller ID with Name | Basic Call Forward |
| Unlimited Extended Area Service | Distinctive Ring |
| Call Waiting/Cancel Call Waiting | Priority Call |
| Call Waiting ID | *66 Busy Number Redial |
| Anonymous Call Rejection | *69 Call Return |
| Basic Voicemail (Non-Regulated) | Selective Call Acceptance |
| Touchtone | Selective Call Rejection |
| Selective Call Forward | Speed Call 30 |
| Wire Care (Non-Regulated) | Directory Listing |

2. CONDITIONS

a. The bundle is available only where facilities and operating systems are available and technically feasible.

b. The features are provided subject to their individual service regulations as specified in the applicable sections of the Tariff.

c. Non-payment or partial payment of the bill may result in the removal of the services that are included in the bundle in accordance with existing Tariff rules.

d. Customers may add or delete any features offered in the bundle without a service order charge.

(N)

**CITIZENS BUNDLED SERVICES**

E7. Frontier Unlimited Voice and Feature Bundle (Continued) (N)

2. CONDITIONS (continued)

e. No discounts will be given to subscribers that do not use all the features or have some features turned off.

f. The bundle is offered on a month-to-month basis.

g. The bundle will appear as a single line item on the bill.

h. The bundled rate includes all available Extended Area Service (EAS) calling, both mandatory and optional, in exchanges where EAS is offered.

i. Call detail for Extended Area Service will not be displayed on the customer's monthly telephone bill.

j. A customer selecting this bundle is required to subscribe to a Frontier Long Distance company and must purchase a qualifying long-distance bundle located in the Frontier Communications of America Domestic Price List.

k. Directory Listing Feature-Customer can pick from Additional Listing, Extra Line of Information, Non List, Non published and foreign listing.

l. Wire Care Services include work performed on or at the customer premises by the Utility or a Utility representative at the customer's request and is not covered by other charges. The Bundle includes work preparation, actual work, materials and cleanup. Frontier Wire Care covers all wiring, jacks, dispatch charges, labor and materials for each telephone line in the home. In addition, Frontier Wire Care covers any damage to the phone line that was caused by lightning, accidental customer damage and problem isolation within the home.

(N)

**CITIZENS BUNDLED SERVICES**

E7. Frontier Unlimited Voice and Feature Bundle (Continued) (N)

3. RATES AND CHARGES

a. All other surcharges and taxes apply and will be billed in addition to the bundle.

b. An Activation charge of $35.00 will replace the Initial Service Order and CO Connection Charge.

c. Frontier Unlimited Voice and Feature Bundle is provided at the following rates:

| | Monthly Rate |
|---|---|
| Frontier Unlimited Voice and Feature Bundle | $73.00* |

* Rate Includes unlimited long distance provided by Frontier Communications of America, Inc.

(N)

PROMOTIONS

INDEX


| | Sheet Number |
|---|---|
| A. Citizens Select and Citizens Select Plus Promotion | 1 |
| B. Call Waiting Promotion | 1 |
| C. Caller ID Promotion | 1 |
| D. Frontier Feature5sm Pack Promotion | 2 |
| E. Citizens Select and Citizens Select Plus Promotion | 2 |
| F. Frontier Feature5sm Pack Promotion | 2 |
| G. Caller ID Promotion | 2 |
| H. Additional Line Promotion | 3 |
| I. Citizens Select and Citizens Select Plus Promotion | 3 |
| J. Frontier Feature5 Pack[sm] Promotion | 4 |
| K. Caller ID and Call Waiting Promotion | 4 |
| L. Citizens Select and Citizens Select Plus Promotion | 5 |
| M. Caller ID and Citizens Select/Citizens Select Plus Promotion | 5 |
| N. Additional Line Promotion | 6 |
| O. Caller ID Promotion | 6 |
| P. Frontier Choices[sm] Tier Bundles Promotion | 6 |
| Q. Additional Line Promotion | 7 |
| R. Frontier Feature5 Pack[sm] Promotion | 7 |
| S. Frontier Choices[sm] Tier Bundles Promotion | 8 |
| T. Caller ID Promotion | 8 |
| U. Frontier Choices[sm] Tier Bundles Promotion | 8 |

PROMOTIONS

INDEX


| | | Sheet Number | |
|---|---|---|---|
| V. | Caller ID and Frontier Choices[sm] Tier Bundles Offers | 9 | |
| W. | Caller ID and Frontier Choices[sm] Tier Bundles Offers | 9 | |
| X. | Frontier Choicess[m] Tier Bundles Promotion | 10 | |
| Y. | Caller ID and Frontier Choices[sm] Tier Bundles Offers | 11 | |
| Z. | Frontier Choices[sm] Tier Bundles Promotion | 11 | |
| AA. | FrontierWorks[sm] Small Business Solutions Promotion | 12 | |
| BB. | Caller ID and Frontier Choices[sm] Tier Bundles Offers | 12 | |
| CC. | Frontier Choices[sm] Tier Bundles Promotion | 12 | |
| DD. | Additional Line Promotion | 13 | |
| EE. | Caller ID and Frontier Choices[sm] Tier Bundles Offers | 14 | |
| FF. | FrontierWorks[sm] Small Business Solutions Promotion | 14 | |
| GG. | Frontier Choices[sm] Tier Bundles Promotion | 15 | |
| HH. | Caller ID and Frontier Choices[sm] Tier Bundles Offers | 15 | |
| II. | Caller ID and Frontier Choices[sm] Tier Bundles Offers | 16 | |
| JJ. | Caller ID and Frontier Choices[sm] Tier Bundles Offers | 16 | |
| KK. | Caller ID and Frontier Choicess[m] Tier Bundles Offers | 17 | |
| LL. | Move Within Service Area Promotion | 17 | |
| MM. | Frontier Choices Tier Bundle Promotion | 18 | |
| NN. | Digital Phone Enhanced Feature Pack Promotion | 18 | |
| OO. | Digital Phone Essentials Promotion | 18 | |
| PP. | Frontier Business Metro Promotion | 18 | (N) |

PROMOTIONS

INDEX


| | | Sheet Number | |
|---|---|---|---|
| QQ. | Simply Unlimited Multiline Promotion | 19 | |
| RR. | Simply Unlimited Multiline Bundle – All Line Promotion | 19 | |
| SS. | Simply Unlimited Multiline Bundle – All Line Promotion | 19 | |
| TT. | Simply Unlimited Multiline Bundle – All Line Promotion | 19 | |
| UU. | Simply Unlimited Multiline Bundle – All Line Promotion Without Broadband | 19 | |
| VV. | Simply Unlimited Multiline Bundle – All Line Promotion Without Broadband | 20 | |
| WW. | Frontier Simply Unlimited Promotion | 20 | |
| XX. | Frontier Simply Unlimited Promotion | 20 | |
| YY. | Frontier Simply Unlimited Promotion | 20 | |
| ZZ. | Frontier Simply Unlimited Promotion | 21 | |
| AAA. | OneVoice Nationwide Promotion | 21 | |
| BBB. | OneVoice Nationwide Promotion | 21 | |
| CCC. | OneVoice Nationwide Promotion | 22 | |
| DDD. | Frontier Commercial Voice Unlimited | 22 | |
| EEE. | Digital Phone | 22 | |
| FFF. | Digital Phone Unlimited | 22 | |
| GGG. | Frontier OneVoice | 23 | (N) |

PROMOTIONS

The Company may, from time to time, engage in special promotional offerings designed to attract new customers or to increase existing customer awareness of a particular service. These offerings may include, but are not limited to, waiving or reducing the applicable charges for the promoted service. The promotional offerings are subject to the availability of the services and may be limited to a specific geographical area, to a subset of a specific market group, the duration, and the date and times of the offering. (09/13/2023)

A. Citizens Select and Citizens Select Plus Promotion

Residential customers who order Citizens Select or Citizens Select Plus service packages on their existing or additional lines between February 1, 2002, and March 31, 2002, inclusive, will receive waiver of the $12.00 Subsequent Service Order Charge. For each line on which the service package is ordered, the customers will also receive a $10.00 credit on their next bill. If they do not subscribe to the service for at least 30 continuous days, a subsequent reversing charge will apply, equal to the $10.00 credit per line plus the waived $12.00 Subsequent Service Order Charge.

B. Call Waiting Promotion

Residential customers who order Call Waiting as an individual service between March 1, 2002, and April 30, 2002, inclusive, will receive waiver of the Call Waiting monthly rate of $2.45 per line that would otherwise apply for the first month of subscription. If the customer does not subscribe to the service for at least 90 continuous days, a subsequent reversing charge will apply, equal to the waived monthly rate of $2.45 per line. This offer does not apply to orders for Call Waiting as part of Citizens Select or Citizens Select Plus service packages or as part of Custom Calling packages.

C. Caller ID Promotion

Residential customers who order Caller ID – Name and Number or Caller ID – Number as an individual service between April 1, 2002, and May 31, 2002, inclusive, will receive an offer to receive a free Consumerware SID Type 1 Caller ID display unit. The customer will pay the $5.50 shipping and handling charge. If the customer does not subscribe to the service for at least 90 continuous days, the customer will be charged an additional $19.95, plus applicable state sales tax, for the Caller ID display unit. This offer does not apply to orders for Caller ID – Name and Number or for Caller ID – Number as part of Custom Calling packages.

PROMOTIONS

D. Frontier Feature5 Packsm Promotion

Customers who order the Frontier Feature5 Pack[sm] between April 15, 2002, and July 13, 2002, inclusive, will receive waiver of the Subsequent Service Order Charge. This offer does not apply to orders for Local Exchange Service.

E. Citizens Select and Citizens Select Plus Promotion

Residential customers who order Citizens Select or Citizens Select Plus service packages on initial, additional or existing lines between May 8, 2002, and June 21, 2002, inclusive, will receive on their next bill a $10.00 credit per line for each line on which the service package is ordered. For each line on which the service is ordered, the customer will also receive an offer to purchase a Caller ID cordless telephone having an approximate retail value of $100.00, at a $50.00 discount. The customer will also pay the $5.50 shipping and handling charge. If the customer does not subscribe to the service for at least 180 continuous days, a subsequent reversing charge will apply, equal to the associated $50.00 discount per telephone, plus applicable state sales tax.

F. Frontier Feature5 Pack[sm] Promotion

Customers who order the Frontier Feature5 Pack[sm] between July 15, 2002, and September 30, 2002, inclusive, will receive waiver of the Subsequent Service Order Charge. This offer does not apply to orders for Local Exchange Service.

G. Caller ID Promotion

Residential customers who are not subscribers to Caller ID-Name and Number, either as an individual service or as part of the Citizens Select or Citizens Select Plus service packages, and who order one of these three services between July 31, 2002, and September 20, 2002, inclusive, will receive the following dated coupons to be redeemed by the customer by mail:

1. One coupon redeemable for a $20.00 credit applied to their next month's Frontier Long Distance bill.

2. One coupon redeemable for a $10.00 credit applied to their second month's Frontier Long Distance bill.

If the customer does not continue to subscribe to the Caller ID-Name and Number service for a minimum of 90 days, the customer will be charged back any of the redeemed credits listed above.

PROMOTIONS

H. Additional Line Promotion

Residential customers who order an additional Local Exchange Service line between September 15, 2002, and October 15, 2002, inclusive, will receive on their next bill a $75.00 credit for each such line ordered. If the customer does not subscribe to the line for at least 180 continuous days, a subsequent reversing charge will apply, equal to the $75.00 credit per line. This offer applies to additional lines ordered by an existing customer and to lines after the first line ordered by a new customer. This offer applies only to orders for which facilities are available during the promotional period.

I. Citizens Select and Citizens Select Plus Promotion

Residential customers who order Citizens Select or Citizens Select Plus service packages on their existing lines between October 15, 2002, and November 15, 2002, inclusive, will receive on their next bill a $10.00 credit per line for each existing line on which the service package is ordered. If the customer does not subscribe to the service package for at least 180 continuous days, a subsequent reversing charge will apply, equal to the $10.00 credit per line.

PROMOTIONS

J. Frontier Feature5 Pack[sm] Promotion

A. Customers who order the Frontier Feature5 Pack[sm] between October 14, 2002, and December 31, 2002, inclusive, will receive:

1. Waiver of the Service Ordering Charge, and

2. A choice of one of the following two offers:

a. Caller ID display unit with list price of $19.95 at no charge, or

b. A choice of one of the following telephones: a Cortelco Model 2210 single-line telephone with list price of $90.00 at a price of $66.00, or a Cortelco Model 2220 two-line telephone with list price of $120.00 at a price of $90.00, or a Panasonic 900 Mhz cordless telephone with list price of $99.95 at a price of $59.00.

This offer does not apply on orders for Basic Local Exchange Service.

K. Caller ID and Call Waiting Promotion

1. Residential customers who order Caller ID - Number or Caller ID – Name and Number on their existing lines, either as an individual service or as part of the Citizens Select or Citizens Select Plus service packages, between November 15, 2002, and December 31, 2002, inclusive, will receive at no charge a Caller ID display unit and a prepaid calling card good for 100 minutes of long-distance service. The customer will be charged an additional $19.95 for the Caller ID display unit if the customer does not continue to subscribe to the Caller ID service or the Citizens Select or Citizens Select Plus service package for a minimum of 90 days,

2. Residential customers who order Call Waiting on their existing lines, either as an individual service or as part of the Citizens Select or Citizens Select Plus service packages, between November 15, 2002, and December 31, 2002, inclusive, will receive at no charge a prepaid calling card good for 100 minutes of long-distance service.

PROMOTIONS

L. CITIZENS SELECT AND CITIZENS SELECT PLUS PROMOTION

Residential customers who order the Citizens Select or Citizens Select Plus service packages on their existing lines between January 1, 2003, and February 15, 2003, inclusive, will receive on their next bill a waiver of the Subsequent Service Order Charge and, for each existing line on which the service is ordered, their choice of either a $10.00 credit per line or a Caller ID display telephone having a retail value of $60.00. If the customer does not subscribe to the service for at least 180 continuous days, a subsequent reversing charge will apply, equal to the $12.00 Subsequent Service Order Charge and either the $10.00 credit per line or the $60.00 retail value per telephone.

M. CALLER ID AND CITIZENS SELECT/CITIZENS SELECT PLUS PROMOTION

Residential customers who order Caller ID Name and Number, either as an individual service or as part of the Citizens Select or Citizens Select Plus service package on their existing lines between February 16, 2003, and March 15, 2003, inclusive, will receive the following incentives:

1. For each existing line on which Caller ID Name and Number is ordered as an individual service, the customer will receive at no charge, except for a $5.50 shipping and handling charge, a Caller ID display unit having a retail value of $20.00. If the customer does not subscribe to the service for at least 90 continuous days, a subsequent reversing charge will apply, equal to the $20.00 retail value of the Caller ID display unit.

2. On orders for the Citizens Select or Citizens Select Plus service package, the Subsequent Service Order Charge will be waived. For each existing line on which the service package is ordered, the customer will receive at no charge, except for a $5.50 shipping and handling charge, a Caller ID display cordless telephone having a retail value of $50.00. If the customer does not subscribe to the service package for at least 180 continuous days, a subsequent reversing charge will apply, equal to the $12.00 Subsequent Service Order Charge and the $50.00 retail value of the Caller ID display cordless telephone.

PROMOTIONS

N. ADDITIONAL LINE PROMOTION

Residential customers who order an additional Local Exchange Service line between March 1, 2003, and April 15, 2003, inclusive, will receive on their next bill a $75.00 credit for each such line ordered. If the customer does not subscribe to the line for at least 180 continuous days, a subsequent reversing charge will apply, equal to the $75.00 credit per line. This offer applies to additional lines ordered by an existing customer and to lines after the first line ordered by a new customer. This offer applies only to orders for which facilities are available during the promotional period.

O. CALLER ID PROMOTION

Residential customers who order Caller ID Name and Number as an individual service on their existing lines between March 16, 2003, and April 30, 2003, inclusive, will receive their choice of the following incentives for each existing line on which Caller ID Name and Number is ordered:

1. The customer will receive at no charge, except for a $5.50 shipping and handling charge, a Caller ID display unit having a retail value of $20.00, or

2. The customer will receive, while supplies last, at no charge a prepaid calling card good for 100 minutes of long-distance service and having a retail value of $6.00.

If the customer does not subscribe to the service for at least 90 continuous days, a subsequent reversing charge will apply, equal to the $20.00 retail value of the Caller ID display unit or the $6.00 retail value of the prepaid calling card, as applicable.

P. FRONTIER CHOICES[sm] TIER BUNDLES PROMOTION

Residential customers who order a Frontier Choices[sm] Tier Bundle on their existing lines between April 16, 2003, and July 14, 2003, inclusive, will receive waiver of the otherwise applicable Service Order Charge and a one-time credit of $10.00 for each Tier Bundle ordered.

PROMOTIONS

Q. ADDITIONAL LINE PROMOTION

Business customers who order three or fewer additional access lines between June 15, 2003, and August 31, 2003, inclusive, will receive waiver of the otherwise applicable Service Ordering Charge and Line Connection Charge.

R. FRONTIER FEATURE5 PACKSM PROMOTION

Customers who order the Frontier Feature5 Pack[sm] on their existing or additional lines or as part of an initial order for Basic Local Exchange Service, between June 15, 2003, and August 31, 2003, inclusive, will receive the following:

1. Waiver of the Service Ordering Charge that is otherwise applicable to the Frontier Feature5 Pack[sm] , and a

2. Monthly credit of $6.00 per line applied against the regular monthly charge of $11.95 per line for three months.

If customers, within the first 60 days of their subscription to the Frontier Feature5 Pack[sm], notify the Company of their dissatisfaction with the Frontier Feature5 Pack[sm] and request to discontinue the service, they will be offered a full refund of one month's net monthly recurring charge of $5.95 per line, or prorated portion thereof if subscription is less than 30 days. The service will be discontinued from the customer's line. The refund will be applied as a credit on the customer's bill. Each customer who subscribes to the service during the promotional period will be entitled to the credit one time, subject to the above conditions.

PROMOTIONS

S. FRONTIER CHOICES TIER BUNDLES PROMOTION

During a promotional period from July 20, 2003, through August 29, 2003, inclusive, existing and new subscribers to Frontier Choices[sm] Tier Bundles will be offered a cordless Caller ID display phone having a retail value of $49.95 for $24.95, with no shipping and handling charges. Subject to the availability of the cordless phone, the Company reserves the right to substitute a cordless phone of equal or greater value.

T. CALLER ID PROMOTION

Residential customers who order Caller ID - Name and Number or Caller ID - Number as an individual service on their existing lines between September 1, 2003, and October 15, 2003, inclusive, will receive their choice of either a Caller ID display unit having a retail value of $20.00 or a credit equal to the charge for one month of the Caller ID service. If the customer does not subscribe to the Caller ID for at least 180 continuous days, a subsequent reversing charge will apply, equal to either the
$20.00 value of the Caller ID display unit or the charge for one month of the Caller ID service, depending on the choice that the customer had selected.

U. FRONTIER CHOICESSM TIER BUNDLES PROMOTION

Residential customers who order a Frontier Choices[sm] Tier Bundle on their existing lines between September 1, 2003, and October 17, 2003, inclusive, will receive waiver of the otherwise applicable Service Order Charge and a one-time credit as follows:

| Bundle | Credit |
|---|---|
| Tier I | $10.00 |
| Tier II | $15.00 |
| Tier III | $20.00 |
| Tier IV | $20.00 |
| Tier V | $25.00 |

This offer is available only to customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle and to customers who switch to another Frontier Choices[sm] Tier Bundle of greater value.

PROMOTIONS

V. CALLER ID AND FRONTIER CHOICES[sm] TIER BUNDLES OFFERS

During the period from September 1, 2003, through November 28, 2003, inclusive, new residential Caller ID - Name and Number subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00. The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. The offer will also be available to residential customers who do not receive the mailing but who order a Frontier Choices[sm] Tier Bundle during this period and who provide the special offer code at the time of the order. This offer is available only to residential customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle. If the customer discontinues the Frontier Choices[sm] Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

W. CALLER ID AND FRONTIER CHOICES[sm] TIER BUNDLES OFFERS

During the period from December 1, 2003, through February 28, 2004, inclusive, new residential Caller ID - Name and Number subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00. The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. The offer will also be available to residential customers who do not receive the mailing but who order a Frontier Choices[sm] Tier Bundle during this period and who provide the special offer code at the time of the order. This offer is available only to residential customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle. If the customer discontinues the Frontier Choices[sm] Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

PROMOTIONS

X. FRONTIER CHOICESsm TIER BUNDLES PROMOTION

1. Residential customers who order a Frontier Choicessm Tier Bundle between January 5, 2004, and February 20, 2004, inclusive, under a one-year term contract will receive the following incentives:

   a. Tier II or Tier III Bundle. For each bundle ordered, the customer will receive a free Caller ID phone with a retail value of $39.95.

   b. Tier IV or Tier V Bundle. For each bundle ordered, the customer will receive the following monthly credit per bundle for six months, applied against the regular monthly charge per bundle:

| Bundle | Monthly Credit per Bundle |
|---|---|
| Tier IV | $ 5.05 |
| Tier V | $10.00 |

2. If the customer discontinues the service before the one-year term contract expires, a subsequent reversing charge will apply, equal to, as applicable, the retail value of the phone received or the monthly credits received.

3. This offer is not available in the following exchanges, where the Frontier Choicessm Tier Bundles One-Year Term Commitment is separately offered, as specified in Section 8:

   Blooming Prairie
   Dodge Center
   Ellendale
   Hayfield
   Milaca

PROMOTIONS

Y. CALLER ID AND FRONTIER CHOICES[sm] TIER BUNDLES OFFERS

During the period from March 1, 2004, through May 29, 2004, inclusive, new residential Caller ID - Name and Number subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00. The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. The offer will also be available to residential customers who do not receive the mailing but who order a Frontier Choices[sm] Tier Bundle during this period and who provide the special offer code at the time of the order. This offer is available only to residential customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle. If the customer discontinues the Frontier Choices[sm] Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

Z. FRONTIER CHOICES[sm] TIER BUNDLE PROMOTION

Residential customers who order a Frontier Choices Tier Bundle on existing or additional lines between April 24, 2004, and June 18, 2004, inclusive, will receive waiver of the otherwise applicable Subsequent Service Order Charge and a one-time credit as follows:

| Bundle | Non-Recurring Credit Per Bundle |
|---|---|
| Tier I | $10.00 |
| Tier II | $15.00 |
| Tier III | $20.00 |
| Tier IV | $30.00 |
| Tier V | $35.00 |

The Primary Service Order Charge is not waived on orders where that charge applies.

PROMOTIONS

AA. FRONTIERWORKS[sm] SMALL BUSINESS SOLUTIONS PROMOTION

Business customers who order a FrontierWorks[sm] Small Business Solutions bundle on a new, additional, or existing line between May 24, 2004, and August 13, 2004, inclusive, will receive waiver of the otherwise applicable Service Charges specified in Section 6.

BB. CALLER ID AND FRONTIER CHOICES[sm] TIER BUNDLES OFFERS

During the period from May 31, 2004, through August 28, 2004, inclusive, new residential Caller ID - Name and Number subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00. The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. The offer will also be available to residential customers who do not receive the mailing but who order a Frontier Choices[sm] Tier Bundle during this period and who provide the special offer code at the time of the order. This offer is available only to residential customers who do not already subscribe to a Frontier Choicesy Tier Bundle. If the customer discontinues the Frontier Choicesy Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

CC. FRONTIER CHOICESSM TIER BUNDLE PROMOTION

Between June 21, 2004, and July 30, 2004, inclusive, residential customers who order, for a 12-month term, a Frontier Choices[sm] Tier IV or Tier V Bundle on an existing line or with initial installation of Local Exchange Service will receive waiver of the otherwise applicable Service Charges specified in Section 5. The customers will also receive, for each of the first two months of the term, a credit equal to the monthly rates for the Asymmetrical Digital Subscriber Line Service and the Frontier Internet service that are components of the Tier Bundle. If the customer discontinues the Tier Bundle before the end of the 12-month term, a subsequent reversing charge will apply, equal to these credits. Customers who order a Tier Bundle with installation of Local Exchange Service under the terms of this promotion will not receive the $10.00 one-time credit that they would otherwise receive pursuant to Section 8.C.3(e).

PROMOTIONS

DD. ADDITIONAL LINE PROMOTION

Existing and new residential customers who order an additional access line during the promotional period between August 2, 2004, and October 30, 2004, inclusive, and commit to keep the additional line for 12 months will receive a one-time credit of $50.00 and a discount of 50 percent off the monthly rate of Residential Local Exchange Service for nine months for each of the committed access lines. Separately itemized rates for Extended Area Service are not discounted. This promotion applies to additional lines ordered either individually or as part of a bundled service package.

Existing residential customers who, during this promotional period, commit to keep an additional access line for 12 months will receive a discount of 50 percent off the monthly rate of Residential Local Exchange Service for nine months for each of the committed access lines. Separately itemized rates for Extended Area Service are not discounted. This promotion applies to commitments on existing lines beyond the first line, either individually or as upgrades to a bundled service package.

If the customer discontinues the additional access line before the end of the 12-month commitment period, a reversing charge will apply, equal to the credits and discounts previously applied in this promotion.

The additional access lines that qualify under this promotion are not eligible for Seasonal Service or Vacation Rate Service, as described in Section 5, during the 12-month commitment period.

This promotion applies only where facilities are available during the promotional period.

PROMOTIONS

EE. CALLER ID AND FRONTIER CHOICES[sm] TIER BUNDLES OFFERS

During the period from August 30, 2004, through November 27, 2004, inclusive, new residential Caller ID - Name and Number subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00. The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. The offer will also be available to residential customers who do not receive the mailing but who order a Frontier Choices[sm] Tier Bundle during this period and who provide the special offer code at the time of the order. This offer is available only to residential customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle. If the customer discontinues the Frontier Choices[sm] Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

FF. FrontierWorks[sm] Small Business Solutions Promotion

Business customers who order FrontierWorks[sm] Small Business Solutions bundle SB1, SB2, SB3, SB4, SB5, or SB6 under a two-year or three-year term contract and also order FrontierWorks[sm] Select5 as part of the bundle on a new or existing line between October 12, 2004, and December 31, 2004, inclusive, will receive the following: (1) waiver of the otherwise applicable Service Charges, and (2) the FrontierWorks[sm] Select5 free for the first six months.

PROMOTIONS

GG. CALLER ID AND FRONTIER CHOICES[sm] TIER BUNDLES OFFERS

During the period from November 29, 2004, through February 26, 2005, inclusive, new residential Caller ID - Name and Number subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00. The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. The offer will also be available to residential customers who do not receive the mailing but who order a Frontier Choices[sm] Tier Bundle during this period and who provide the special offer code at the time of the order. This offer is available only to residential customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle. If the customer discontinues the Frontier Choices[sm] Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

HH. CALLER ID AND FRONTIER CHOICES[sm] TIER BUNDLES OFFERS

During the period from February 28, 2005, through May 28, 2005, inclusive, new residential Caller ID - Name subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00.
The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. This offer is only available to residential customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle. If the customer discontinues the Frontier Choices[sm] Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

PROMOTIONS

II. Caller ID and Frontier Choices Tier Bundles Offers

During the period from May 30, 2005, through August 27, 2005, inclusive, new residential Caller ID - Name subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00.
The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. This offer is only available to residential customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle. If the customer discontinues the Frontier Choices[sm] Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

JJ. Caller ID and Frontier Choices Tier Bundles Offers

During the period from August 29, 2005, through November 26, 2005, inclusive, new residential Caller ID - Name subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00. The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. This offer is only available to residential customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle. If the customer discontinues the Frontier Choices[sm] Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

PROMOTIONS

KK. Caller ID and Frontier Choices Tier Bundles Offers

During the period from November 28, 2005, through February 26, 2006, inclusive, new residential Caller ID - Name subscribers and new Caller ID - Number subscribers will receive a coupon by U.S. mail. If the customer continues to subscribe to the service for 120 consecutive days, the customer may redeem the coupon for a one-time credit of $5.00. The coupon expires 150 days after the activation date of the Caller ID service.

The mailing will also include an offer for a free cordless Caller ID phone having an approximate retail value of $50.00, offered to customers who order one of the Frontier Choices[sm] Tier Bundles during this period. To receive the free phone, with no shipping and handling charge, the customer must provide, at the time of the order, the special offer code included in the mailing. This offer is only available to residential customers who do not already subscribe to a Frontier Choices[sm] Tier Bundle. If the customer discontinues the Frontier Choices[sm] Tier Bundle within the first 180 days of the activation date of the bundle, the customer will be charged $55.45 for the value of the phone and shipping and handling.

LL. Move Within Service Area Promotion

The purpose of this filing is to offer a special promotion to residential customers. The promotion waives the Primary Service Order Charge and the Line Connection Charge for an existing residential customer who moves to a new location within the company's service territory and initiates new residential service at that new location. The name on the account must remain unchanged and the new account must be set up within a week of the cancelled account. The waiver is conditional upon the customer retaining service at the new location for at least six months. If the customer terminates service at the new location within six months, the amount of the waived service charges will be billed to the customer. A customer can take advantage of this offering only once. The original account must be in good standing to take advantage of the promotion. Effective March 19, 2006 through June 17, 2006.

PROMOTIONS

MM. Frontier Choices[sm] Tier Bundle Promotion

Between August 15, 2006 and November 10, 2006, eligible customers that accept this offer and order a Frontier Choices[sm] Tier Bundle will receive waivers of all installation charges and local service charges for the first month of service. Eligible customers are residential customers that subscribe to the Tier Bundle under the one- year term rate plan and that have not had Frontier service within 90 days of their order date for this service under this offer. If the customer terminates the Tier Bundle before the end of the 12-month period, in lieu of termination fees that otherwise apply under the one-year term rate plan, a termination fee of $100 applies if the Tier Bundle contains only regulated services; a termination fee of $200 applies if the Tier Bundle contains both regulated and non-regulated services. If customers are not satisfied with the Tier Bundle, they may cancel the service within the first 30 days of the service with no termination fee. This offer applies only one time per customer. This offer may not be combined with any additional promotional offers.

NN. Digital Phone Enhanced Feature Pack Promotion

Existing and new residential customers who order Digital Phone Enhanced Feature pack between August 11, 2007, and November 9, 2007 will receive a waiver of the applicable nonrecurring installation/activation charges.

OO. Digital Phone Essentials Promotion

New residential customers who order Digital Phone Essentials between April 1, 2008, and June 29, 2008 will receive a waiver of the applicable nonrecurring installation/activation charges.

PP. Frontier Business Metro (N)

New business customers who order Frontier Business Metro between February 27, 2009, and May 27, 2009 will receive a waiver of the applicable nonrecurring installation/activation charges. (N)

PROMOTIONS

QQ. Simply Unlimited Multiline Promotion

Beginning May 12, 2013 and extending until July 30, 2013, new Business broadband customers who purchase the Simply Unlimited Bundle; are eligible for the Multiline Promotion which provides the second and third Simply Unlimited Bundle for $23.99/line per month. This rate will apply for the duration of the one, two or three-year contracted term. All other Terms and Conditions of the 2nd and 3rd line remain in effect.

RR. Simply Unlimited Multiline Bundle – All Line Promotion

Beginning July 7, 2013 and extending until October 4, 2013, new Business broadband customers who purchase the Simply Unlimited Bundle; are eligible to receive the first line at $28.99 per month and any additional lines for $23.99 per month up to the 12 line max. This rate will apply for the duration of the one, two or three-year contracted term. All other Terms and Conditions of the bundle remain in effect.

SS. Simply Unlimited Multiline Bundle – All Line Promotion

Beginning October 7, 2013 and extending until December 31, 2013, new Business broadband customers who purchase the Simply Unlimited Multiline Bundle are eligible to receive the first line at $28.99 per month and any additional lines for $23.99 per month up to the 12 line max. This rate will apply for the duration of the one, two or three-year contracted term. All other Terms and Conditions of the bundle remain in effect.

TT. Simply Unlimited Multiline Bundle – All Line Promotion

Beginning January 3, 2014 and extending until March 28, 2014, new Business broadband customers who purchase the Simply Unlimited Multiline Bundle are eligible to receive the first line at $28.99 per month and any additional lines for $23.99 per month up to the 12 line max. This rate will apply for the duration of the one, two or three-year contracted term. All other Terms and Conditions of the bundle remain in effect.

UU. Simply Unlimited Multiline Bundle – All Line Promotion without Broadband (N)

Beginning January 19, 2014 and extending until April 15, 2014, new Business customers who purchase the Simply Unlimited Multiline Bundle are eligible to receive the first line at $28.99 per month and any additional lines for $23.99 per month up to the 12 line max. This rate will apply for the duration of the one, two or three-year contracted term. All other Terms and Conditions of the bundle remain in effect.

(N)

PROMOTIONS

VV. Simply Unlimited Multiline Bundle – All Line Promotion without Broadband

Beginning April 17, 2014 and extending until June 30, 2014, new Business customers who purchase the Simply Unlimited Multiline Bundle are eligible to receive the first line at $28.99 per month and any additional lines for $23.99 per month up to the 12 line max. This rate will apply for the duration of the one, two or three-year contracted term. All other Terms and Conditions of the bundle remain in effect.

WW. Frontier Simply Unlimited Promotion

Beginning September 5, 2014 thru November 23, 2014 new and existing business customers who subscribe to Frontier Simply Unlimited and commit to a one, two or three year term will receive the first line at $29.99 and lines 2-12 at $24.99. Customer must subscribe to the Frontier Simply Unlimited Long Distance plan through Frontier Communications of America as well as Broadband. This promotion offer is subject to the applicable termination liability for the individual products in the appropriate tariff/product guide.

XX. Frontier Simply Unlimited Promotion

Beginning November 24, 2014 through March 31, 2015 new and existing business customers who subscribe to Frontier Simply Unlimited and commit to a one, two or three year term will receive the first line at $29.99 and lines 2-12 at $24.99. Customer must subscribe to the Frontier Simply Unlimited Long Distance plan through Frontier Communications of America as well as Broadband. This promotion offer is subject to the applicable termination liability for the individual products in the appropriate tariff/product guide.

YY. Frontier Simply Unlimited Promotion (N)

Beginning April 1, 2015 through June 29, 2015 new and existing business customers who subscribe to Frontier Simply Unlimited and commit to a one, two or three year term will receive the first line at $29.99 and lines 2-12 at $24.99. Customer must subscribe to the Frontier Simply Unlimited Long Distance plan through Frontier Communications of America as well as Broadband. This promotion offer is subject to the applicable termination liability for the individual products in the appropriate tariff/product guide.

(N)

PROMOTIONS

ZZ. Frontier Simply Unlimited Promotion

Beginning July 1, 2015 through December 31, 2015 new and existing business customers who subscribe to Frontier Simply Unlimited and commit to a one, two or three year term will receive the first line at $29.99 and lines 2-12 at $24.99. Customer must subscribe to the Frontier Simply Unlimited Long Distance plan through Frontier Communications of America as well as Broadband. This promotion offer is subject to the applicable termination liability for the individual products in the appropriate tariff/product guide.

AAA. OneVoice Nationwide Promotion

Beginning November 1, 2015 and extending until March 31, 2016, new or upgraded Business broadband customers who purchase the OneVoice Nationwide at a price point of $39.99 will be guaranteed the price for the OneVoice Nationwide and the broadband for the life of the account. Customer will sign for a one or two year term. Termination fees as described in the tariff will apply if the customer cancels before the end of the term. Two year term customers will have the broadband installation fees waived.
Changes to the product services after 3/31/16 including broadband speed upgrades/downgrades will disqualify the Price for Life guarantee. All other Terms and Conditions of the services remain in effect.

BBB. OneVoice Nationwide Promotion (N)

Beginning April 1, 2016 and extending until June 30, 2016, new or upgraded Business broadband customers who purchase the OneVoice Nationwide at a price point of $39.99 will be guaranteed the price for the OneVoice Nationwide and the broadband for the life of the account. Customer will sign for a one or two year term. Termination fees as described in the tariff will apply if the customer cancels before the end of the term. Two year term customers will have the broadband installation fees waived. Changes to the product services after 6/30/16 including broadband speed upgrades/downgrades will disqualify the Price for Life guarantee. All other Terms and Conditions of the services remain in effect.

(N)

PROMOTIONS

CCC. OneVoice Nationwide Promotion

Beginning July 1, 2016 and extending until August 31, 2016, new or upgraded Business broadband customers who purchase the OneVoice Nationwide at a price point of $39.99 will be guaranteed the price for the OneVoice Nationwide and the broadband for the life of the account. Customer will sign for a one or two year term. Termination fees as described in the tariff will apply if the customer cancels before the end of the term. Two year term customers will have the broadband installation fees waived. Changes to the product services after 8/31/16 including broadband speed upgrades/downgrades will disqualify the Price for Life guarantee. All other Terms and Conditions of the services remain in effect.

DDD. Frontier Commercial Voice Unlimited

New Frontier business customers that sign up for Frontier Commercial Voice Unlimited between 9/20/17 and 12/31/17 with a term commitment of 1 year will have all standard non-recurring charges waived for the initial set up and be given a $5.00 credit per month per line for the length of the contract. New is defined as not having Frontier service in the past ninety days.

EEE. Digital Phone

Beginning August 12, 2018 and extending through October 19, 2018, new Digital Phone customers who purchase qualifying broadband services will have standard non-recurring charges waived for the initial set up and a monthly rate of $19.99 for two years. Digital Phone products include:

- Frontier Digital Phone Unlimited (Leader)
- Frontier Digital Phone Unlimited Plus (Leader)
- Frontier Digital Phone Unlimited (Challenger)
- Frontier Digital Phone Unlimited Plus (Challenger)

FFF. Digital Phone Unlimited (N)

Beginning May 19, 2019 through November 19, 2019, for new Digital Phone customers who purchase qualifying broadband services will have standard non-recurring charges waived for the initial set up.

- Frontier Digital Phone Unlimited (Leader)
- Frontier Digital Phone Unlimited Plus (Leader)
- Frontier Digital Phone Unlimited (Challenger)
- Frontier Digital Phone Unlimited Plus (Challenger)

(N)

PROMOTIONS

GGG. Frontier OneVoice (N)

Between August 22, 2021 and November 19, 2021, New fiber based Frontier OneVoice customers who purchase a qualifying broadband service will be give a $29.99 discount for the first local OneVoice line. Customers must agree to a two year term that provides a two (2) year Price Protection Plan. Installation charges for this service will be waived. Promotion offered where technically feasible. (N)

SPECIALIZED SERVICES

INDEX


| Subject | Sheet Number |
|---|---|
| Citizens Digital Centrex Service | 2 |
| Maintenance of Service Charges | 1 |

SPECIALIZED SERVICES

CUSTOMER PROVIDED EQUIPMENT

MAINTENANCE OF SERVICE CHARGES

1. The following charges are applicable for time spent by a Company employee when it is determined that the service difficulty or trouble report results from customer-provided terminal equipment and/or communications systems connected or arranged for connection to Company facilities. Normal working hours are from 8:00 a.m. to 5:00 p.m., Monday through Friday, holidays excepted.

   a. In or out of the Base Rate Area during normal working hours, first 15 minutes or fraction thereof (time measured upon serviceman's arrival/departure at customer's premises)

| | | |
|---|---|---|
| 1) | First 15 minutes or fraction thereof | $45.50 |
| 2 | Each additional 15 minutes or fraction thereof | 9.50 |

   b. In or out of the Base Rate Area after normal hours, first 15 minutes or fraction thereof (time measured upon serviceman's arrival/departure at customer's premises)

| | | |
|---|---|---|
| 1) | First 15 minutes or fraction thereof | $48.95 |
| 2) | Each additional 15 minutes or fraction thereof | 12.95 |

2. All charges described in this paragraph are in addition to all other rates and charges billed to the customer.

SPECIALIZED SERVICES

CITIZENS DIGITAL CENTREX SERVICE

A. GENERAL

Citizens Digital Centrex Service is a fully integrated digital communication Central Office service designed to serve customers from 2 to 200 lines.

B. RATES

1. The rates set forth below are for Company provided services & equipment; station equipment is located at the designated customer location(s).

2. Citizens Digital Centrex Service Access Rates:

   a. In addition to rates as specified below, individual access line rates for LOCAL EXCHANGE SERVICE, Section 4, apply as appropriate.

   b. The Federal Subscriber Line Charge (End User Charge) applies to both the local exchange individual access lines as well as Citizens Digital Centrex Service Intragroup Calling Lines and is in addition to the rates described in 3b. below.

   c. Installation and/or change charges are applicable as set forth in Section 6, SERVICE CHARGES of this tariff.

3. Intragroup Calling Services (lines not designated as access lines).

   a. Intragroup Calling Service lines provide communication paths for intra customer calling.

   b. Intragroup Calling Service Monthly Rates Per Line:

| 1 - 200 lines | **Billing Code** | **Monthly Rate** |
|---|---|---|
| 0 -. 5 miles | C1GS1 | $ 4.50 |
| .6 - 1.0 miles | C1GS2 | 6.00 |
| 1.1 - 1.5 miles | C1GS3 | 7.50 |
| 1.6 - 2.0 miles | C1GS4 | 9.00 |

SPECIALIZED SERVICES

CITIZENS DIGITAL CENTREX SERVICE

B. RATES (Continued)

| | | Billing Code | Monthly Rate |
|---|---|---|---|
| 4. | Basic Service (per line)* | | |
| a. | Customer with 2 lines, each | -- | $ 3.50 |
| b. | Customer with 3 lines or more, but less than 7 lines, each | -- | 3.00 |
| c. | Customer with 7 lines or more, each | -- | 2.50 |
| 5. | Enhanced Service & features (per line)* | | |
| a. | Business Set Service** (excludes customer premise equipment) | | |
| | 1) Lines 1-50, each | -- | 3.55 |
| | 2) Lines 51 and up, additional | -- | 2.35 |
| b. | Enhanced Business Service (includes Group Call Alert) | -- | 2.35 |
| c. | Station Message Detail Recorder | -- | 2.35 |
| d. | Enhanced Station Message Detail Recorder | -- | 3.10 |
| e. | Automatic Route Selection -- | | 1.50 |
| f. | Datapath Basic | -- | 2.10 |
| g. | Hospital Communications | -- | .50 |
| h. | Console Alerting | -- | .50 |
| i. | Electronic Switched Network | -- | 3.25 |
| j. | Cut-Thru Dialing | -- | .50 |

* Descriptions and limitations of the services and features are located in the Company's business office. Certain Custom Calling Service features are also available to Citizens Digital Centrex Service subscribers at Custom Calling Service rates (Refer to Section 5).

** A Central Office Software feature. CPE may be provided by the customer.

SPECIALIZED SERVICES

CITIZENS DIGITAL CENTREX SERVICE

B. RATES (Continued)

| | | Billing Code | Monthly Rate |
|---|---|---|---|
| 5. | Enhanced Services & Features (per line)* (Continued) | | |
| k. | ACD Basic | -- | $12.00 |
| l. | ACD Basic & Supplemental | -- | 17.00 |
| m. | Large Conference | -- | .55 |
| n. | Message Service | -- | .55 |
| o. | Data Path Modem Pooling | -- | .45 |
| p. | Preset Conference | -- | .40 |
| q. | Enhanced Call Forwarding | -- | .40 |
| r. | Time of Day Routing | -- | .50 |
| s. | Time of day NCOS Routing | -- | .45 |
| t. | Superset | -- | 1.25 |
| u. | Enhanced Service Order | -- | .60 |
| v. | Equal Access Primary Exchange | -- | .60 |
| w. | Enhanced Three-Way Calling | -- | .50 |
| x. | Enhanced Call Waiting | -- | .75 |
| y. | Call Forwarding Special | -- | .75 |
| z. | Music on Hold MDC | -- | .70 |
| aa. | Group Call Alert | -- | .95 |

* Descriptions and limitations of the services and features provided are located in the Company's business office. Certain Custom Calling Service features are also available to Citizens Digital Centrex Service subscribers at Custom Calling Service rates (Refer to Section 5).

SPECIALIZED SERVICES

CITIZENS DIGITAL CENTREX SERVICE

C. CONDITIONS

1. Customers subscribing to Citizens Digital Centrex Service will be required to have a minimum of two (2) access lines.

2. If equipment is provided by the customer, it must be compatible with the services and equipment provided by the Company. This provision is applicable to BUSINESS SET SERVICE listed in Item B.5.a, preceding.

3. Citizens Digital Centrex Service basic and enhanced services and features are only offered in central offices equipped to provide such service.

4. Service area is limited to manufacturer's equipment specifications with respect to distance from the central office.

5. The minimum charge for service provided under this tariff shall be one month.

6. The Company will furnish one alphabetical and one classified directory listing without charge per system. Additional listings will be offered subject to the provisions outlined in GENERAL SERVICES, Section 5 of this tariff, or may be provided free if in the judgement of the Company such listings will improve service to the public, or reduce Company operating costs, or both.

7. Extended Area Service (EAS) is available with this Service in the event the customer's Central Office Exchange has EAS.

SPECIALIZED SERVICES

CITIZENS DIGITAL CENTREX SERVICE

C. CONDITIONS (Continued)

8. For service over 200 lines or greater than 2 miles from the central office, tariff rates as specified in Item B, preceding, will apply in addition to an appropriate portion of applicable special construction costs or expenses as specified in Section 2, GENERAL REGULATIONS, Special Assemblies of Equipment.

   Any contracts relative to the provision of this service will be provided to the Commission at least one (1) day prior to the effective date of the service. Rates contained in the contracts are under the authority of the Commission and may be altered by the Commission at any time during the life of the contracts.

D. EXPLANATION OF TERMS

1. Primary Service Location - The continuous property designated by the customer as the primary location and/or at which the attendant's console position may be located.

2. Secondary Service Location - Each different premises of the same customer, not within the primary location, served by one or more stations of the same system. Stations in secondary locations may be served by primary or satellite switching equipment and may be provided at secondary locations where it is more economical than extending lines from the primary switching equipment.

Regulations, Rates and Charges
applying to the provision of Access Services
for connection to intrastate communications facilities
for customers within the operating territories of

Citizens Telecommunications Company of Minnesota, LLC T

*DBA*

Frontier Citizens Communications of Minnesota

In the State of

**MINNESOTA**

as provided herein.

Access Services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof.

**Access Service**

This Tariff applies to the Facilities for Intrastate Access of Citizens Telecommunications Company, hereinafter referred to as the Company for the following Minnesota (Lakes) Exchanges:

| | | | | |
|---|---|---|---|---|
| Alborn | Clearwater | Hardwick | Malmo | Svea |
| Almelund | Comfrey | Hayfield | Maple Plain | Taylors Falls |
| Alvarado | Cosmos | Hazel Run | Mayer | Tower |
| Arco | Cottonwood | Hector | McGrath | Two Harbors |
| Argyle | Crane Lake | Herman | McGregor | Tyler |
| Askov | Cromwell | Hollandale | Meadowlands | Wahkon |
| Atwater | Delano | Hoyt Lakes | Milaca | Wanamingo |
| Aurora | Delft | International Fall | Mound | Warba |
| Babbitt | Denham | Isabella | Mountain Lake | Warren |
| Bear River | Dexter | Isle | New Germany | Watertown |
| Belgrade | Dodge Center | Jacobson | Nickerson | West Concord |
| Big Falls | Ellendale | Jasper | Odin | Wheaton |
| Blooming Prairie | Elrosa | Kabetogama | Onamia | Wright |
| Boyd | Ely | Kandiyohi | Oslo | Wyoming |
| Brimson | Embrassass | Kennedy | Palisade | Wyoming |
| Brookston | Ericksburg | Kabetogama | Palo | |
| Brownsdale | Finlayson | Kandiyohi | Pease | |
| Butterfield | Floodwood | Kennedy | Prinsburg | |
| Byron | Fountain | Kenyon | Panier | |
| Cannon Falls | Garrison | Kettle | Raymond | |
| Cherry Grove | Gateway | Kimberly | Scandia-Marine | |
| Claremont | Ghent | Lake Lillian | St. Bonifacius | |
| Clarkfield | Greaney | Lindstrom | Stephen | |
| Clarks Grove | Hallock | Littlefork | Stephen | |
| Clear Lake | Hanley falls | Lynd | Sturgeon Lake | |


**Vice President Regulatory & Government Affairs**
**Citizens Communications Company**
**180 S. Clinton Ave.**
**Rochester, NY 14646**

| **Title** | **Page** |
|---|---|
| 1 | 2 Rev. |
| 2 | 1st Rev. |

| **Check** | **Sheets** |
|---|---|
| 1 | 20th Rev.* |
| 2 | 8th Rev. |
| 3 | 4th Rev. |
| 4 | 1st Rev. |
| 5 | 7th Rev.* |
| 6 | 7th Rev.* |
| 7 | Original |

| **Table of** | **Contents** |
|---|---|
| 8 | Original |
| 9 | 1st Rev. |
| 10 | Original |
| 11 | Original |
| 12 | Original |

| **Carriers** | |
|---|---|
| 13 | Original |
| 14 | Original |

| **Abbrev** | **Symbols** |
|---|---|
| 15 | Original |
| 16 | 1st Rev |
| 17 | Original |

| **Ref.** | |
|---|---|
| 18 | Original |
| 19 | Original |
| 20 | Original |

| Page(s) | Revised | Page(s) | Revised | Page(s) | Revised |
|---|---|---|---|---|---|
| 21 | Original | 51 | Original | 81 | Original |
| 22 | Original | 52 | Original | 82 | Original |
| 23 | Original | 53 | Original | 83 | Original |
| 24 | Original | 54 | Original | 84 | Original |
| 25 | Original | 55 | Original | 85 | Original |
| 26 | Original | 56 | Original | 85 | Original |
| 27 | Original | 57 | Original | 87 | Original |
| 28 | Original | 58 | Original | 88 | Original |
| 29 | Original | 59 | Original | 89 | Original |
| 30 | Original | 60 | Original | 90 | Original |
| 31 | Original | 61 | Original | 91 | 3rd Rev.* |
| 32 | Original | 62 | Original | 92 | Original |
| 33 | Original | 63 | Original | 93 | Original |
| 34 | Original | 64 | Original | 94 | Original |
| 35 | Original | 65 | Original | 95 | Original |
| 36 | Original | 66 | Original | 96 | Original |
| 37 | Original | 67 | Original | 97 | Original |
| 38 | Original | 68 | Original | 98 | Original |
| 39 | Original | 69 | Original | 99 | Original |
| 40 | Original | 70 | Original | 100 | Original |
| 41 | Original | 71 | Original | 101 | Original |
| 42 | Original | 72 | Original | 102 | Original |
| 43 | Original | 73 | Original | 103 | Original |
| 44 | Original | 74 | Original | 104 | Original |
| 45 | Original | 75 | Original | 105 | Original |
| 46 | Original | 76 | Original | 106 | Original |
| 47 | Original | 76.1 | Original | 107 | Original |
| 48 | Original | 77 | Original | 108 | Original |
| 49 | Original | 78 | Original | 109 | Original |
| 50 | Original | 79 | Original | 110 | Original |
| | | 80 | Original | | |

| Page(s) | Revised | Page(s) | Revised | Page(s) | Revised |
|---|---|---|---|---|---|
| 111 | Original | 141 | 1st Rev. | 171 | 1st Rev. |
| 112 | Original | 142 | 1st Rev. | 172 | 1st Rev. |
| 113 | Original | 143 | 1st Rev. | 173 | 1st Rev. |
| 114 | Original | 144 | 1st Rev | 174 | 1st Rev |
| 115 | Original | 145 | 1st Rev | 175 | 1st Rev |
| 116 | Original | 146 | 1st Rev. | 176 | 1st Rev. |
| 117 | Original | 147 | 1st Rev. | 177 | 1st Rev. |
| 118 | 4th Rev.* | 148 | 1st Rev. | 178 | 1st Rev. |
| 119 | 1st Rev. | 149 | 1st Rev. | 179 | 1st Rev. |
| 120 | 1st Rev. | 150 | 1st Rev. | 180 | 1st Rev. |
| 121 | 1st Rev | 151 | 2nd Rev. | 181 | 2nd Rev |
| 122 | 1st Rev | 152 | 1st Rev. | 182 | 1st Rev. |
| 123 | 1st Rev. | 153 | 1st Rev. | 183 | 1st Rev. |
| 124 | 1st Rev. | 154 | 1st Rev. | 184 | 1st Rev. |
| 125 | 1st Rev. | 155 | 1st Rev. | 185 | 1st Rev |
| 126 | 1st Rev. | 156 | 1st Rev. | 186 | 1st Rev |
| 127 | 1st Rev. | 157 | 1st Rev. | 187 | 1st Rev. |
| 128 | 1st Rev. | 158 | 1st Rev. | 188 | 1st Rev. |
| 129 | 1st Rev. | 159 | 1st Rev. | 189 | 1st Rev. |
| 130 | 1st Rev. | 160 | 1st Rev. | 190 | 1st Rev. |
| 131 | 1st Rev. | 161 | 1st Rev. | 191 | 1st Rev. |
| 132 | 1st Rev. | 162 | 1st Rev. | 192 | 1st Rev. |
| 133 | 1st Rev. | 163 | 1st Rev | 193 | 1st Rev. |
| 134 | 1st Rev. | 164 | 1st Rev | 194 | 1st Rev. |
| 135 | 1st Rev. | 165 | 1st Rev. | 195 | 1st Rev. |
| 136 | 1st Rev. | 166 | 1st Rev. | 196 | 1st Rev. |
| 137 | 1st Rev. | 167 | 1st Rev. | 197 | 1st Rev. |
| 138 | 1st Rev. | 168 | 1st Rev. | 198 | 1st Rev. |
| 139 | 1st Rev. | 169 | 1st Rev. | 199 | 1st Rev. |
| 140 | 1st Rev. | 170 | 1st Rev. | 200 | 1st Rev. |

| Page(s) | Revised | | Page(s) | Revised | | Page(s) | Revised | |
|---|---|---|---|---|---|---|---|---|
| 201 | 1st Rev. | * | 232 | 1st Rev. | * | 263 | 1st Rev. | * |
| 202 | 1st Rev. | * | 233 | 1st Rev. | * | 264 | 1st Rev. | * |
| 203 | 1st Rev. | * | 234 | 1st Rev. | * | 265 | 1st Rev. | * |
| 204 | 1st Rev | * | 235 | 1st Rev | * | 266 | 1st Rev | * |
| 205 | 1st Rev | * | 236 | 1st Rev | * | 267 | 1st Rev | * |
| 206 | 1st Rev. | * | 237 | 1st Rev. | * | 268 | 1st Rev. | * |
| 207 | 1st Rev. | * | 238 | 1st Rev. | * | 269 | 1st Rev. | * |
| 208 | 1st Rev. | * | 239 | 1st Rev. | * | 270 | 1st Rev. | * |
| 209 | 1st Rev. | * | 240 | 1st Rev. | * | 271 | 1st Rev. | * |
| 210 | 1st Rev. | * | 241 | 1st Rev. | * | 272 | 1st Rev. | * |
| 211 | 1st Rev. | * | 242 | 1st Rev. | * | 273 | 1st Rev. | * |
| 212 | 1st Rev. | * | 243 | 1st Rev. | * | 274 | 1st Rev. | * |
| 213 | 1st Rev. | * | 244 | 1st Rev. | * | 275 | 1st Rev. | * |
| 214 | 1st Rev. | * | 245 | 1st Rev. | * | 276 | 1st Rev. | * |
| 215 | 1st Rev. | * | 246 | 1st Rev. | * | 277 | 1st Rev. | * |
| 216 | 1st Rev. | * | 247 | 1st Rev. | * | 278 | 1st Rev. | * |
| 217 | 1st Rev. | * | 248 | 1st Rev. | * | 279 | 1st Rev. | * |
| 218 | 1st Rev. | * | 249 | 1st Rev. | * | 280 | 1st Rev. | * |
| 219 | 1st Rev. | * | 250 | 1st Rev. | * | 281 | 1st Rev. | * |
| 220 | 1st Rev. | * | 251 | 1st Rev. | * | 282 | 1st Rev. | * |
| 221 | 1st Rev. | * | 252 | 1st Rev. | * | 283 | 1st Rev. | * |
| 222 | 1st Rev. | * | 253 | 1st Rev. | * | 284 | 1st Rev. | * |
| 223 | 1st Rev. | * | 254 | 1st Rev. | * | 285 | 1st Rev. | * |
| 224 | 1st Rev. | * | 255 | 1st Rev. | * | 286 | 1st Rev. | * |
| 225 | 1st Rev. | * | 256 | 1st Rev. | * | 287 | 1st Rev. | * |
| 226 | 1st Rev. | * | 257 | 1st Rev. | * | 288 | 1st Rev. | * |
| 227 | 1st Rev | * | 258 | 1st Rev | * | 289 | 1st Rev | * |
| 228 | 1st Rev | * | 259 | 1st Rev | * | 290 | 1st Rev | * |
| 229 | 1st Rev. | * | 260 | 1st Rev. | * | 291 | 1st Rev. | * |
| 230 | 1st Rev. | * | 261 | 1st Rev. | * | 292 | 1st Rev. | * |
| 231 | 1st Rev. | * | 262 | 1st Rev. | * | 293 | 1st Rev. | * |



**Vice-President Regulatory & Government Affairs**
**Citizens Communications Company**
**180 S. Clinton Avenue**
**Rochester, NY 16666**

| Page(s) | Revised | Page(s) | Revised | Page(s) | Revised |
|---|---|---|---|---|---|
| 294 | 1st Rev. | 324 | Original | 354 | 6th Rev. * |
| 295 | 1st Rev. | 325 | Original | 355 | Original |
| 296 | 1st Rev. | 326 | Original | 356 | Original |
| 297 | 1st Rev | 326.1 | Original | 357 | Original |
| 298 | 1st Rev | 327 | Original | 358 | Original |
| 299 | 1st Rev. | 328 | Original | 359 | Original |
| 300 | 2nd Rev. | 329 | Original | 360 | Original |
| 301 | 2nd Rev. | 330 | 5th Rev. | 361 | Original |
| 302 | 1st Rev. | 331 | Original | 362 | Original |
| 303 | 1st Rev. | 332 | Original | 363 | Original |
| 304 | 1st Rev. | 333 | Original | 364 | Original |
| 305 | 1st Rev | 334 | Original | 365 | Original |
| 306 | 2nd Rev | 335 | Original | 366 | Original |
| 307 | Original | 336 | Original | 367 | Original |
| 308 | Original | 337 | Original | 368 | Original |
| 309 | Original | 338 | Original | 369 | Original |
| 310 | Original | 339 | Original | 370 | Original |
| 311 | Original | 340 | Original | 371 | Original |
| 312 | Original | 341 | Original | 372 | Original |
| 313 | Original | 342 | Original | 373 | Original |
| 314 | Original | 343 | Original | 374 | Original |
| 315 | Original | 344 | Original | 375 | Original |
| 316 | Original | 345 | Original | 376 | Original |
| 317 | Original | 346 | Original | 377 | Original |
| 318 | Original | 347 | Original | 378 | Original |
| 319 | 1st Rev. | 348 | Original | 379 | Original |
| 320 | Original | 349 | Original | 380 | Original |
| 321 | Original | 350 | Original | 381 | Original |
| 322 | Original | 351 | Original | 382 | Original |
| 323 | Original | 352 | Original | 383 | Original |
| | | 353 | 6th Rev.* | | |

## ACCESS SERVICE

| Page(s) | Revised |
|---|---|
| 384 | Original |
| 385 | Original |
| 386 | Original |
| 387 | Original |
| 388 | Original |
| 389 | Original |
| 390 | Original |
| 391 | Original |
| 392 | Original |
| 393 | Original |
| 394 | Original |
| 395 | Original |
| 396 | Original |
| 397 | Original |
| 398 | Original |
| 399 | 6th Rev. * |
| 400 | Original |
| 401 | 6th Rev. * |
| 402 | Original |
| 403 | Original |
| 404 | Original |
| 405 | Original |
| 406 | Original |
| 407 | Original |
| 408 | Original |
| 409 | Original |
| 410 | Original |
| 411 | Original |
| 412 | Original |
| 413 | Original |
| 414 | Original |
| 415 | Original |
| 416 | Original |
| 417 | Original |
| 418 | Original |

| Page(s) | Revised |
|---|---|
| 419 | Original |
| 420 | Original |
| 421 | Original |
| 422 | Original |
| 423 | Original |
| 424 | Original |
| 425 | Original |
| 426 | Original |
| 427 | Original |
| 428 | Original |
| 429 | Original |
| 430 | Original |
| 431 | Original |
| 432 | Original |
| 433 | Original |
| 434 | 1st Rev. |
| 435 | Original |
| 436 | Original |
| 437 | Original |
| 438 | Original |
| 439 | Original |
| 440 | Original |
| 441 | Original |
| 442 | Original |
| 443 | Original |
| 444 | Original |
| 445 | Original |
| 446 | Original |
| 447 | Original |
| 448 | Original |
| 449 | Original |
| 450 | Original |
| 451 | Original |
| 452 | Original |

| Page(s) | Revised |
|---|---|
| 452.1 | Original |
| 452.2 | Original |
| 452.3 | Original |
| 452.4 | Original |
| 452.5 | Original |
| 452.6 | Original |
| 452.7 | Original |
| 452.8 | Original |
| 453 | Original |
| 454 | Original |
| 455 | Original |
| 456 | Original |
| 457 | Original |
| 458 | Original |
| 459 | Original |
| 460 | Original |
| 461 | Original |
| 462 | Original |
| 463 | Original |
| 464 | Original |
| 465 | Original |
| 466 | Original |
| 467 | Original |
| 468 | Original |
| 469 | Original |
| 470 | Original |
| 471 | Original |
| 472 | Original |
| 473 | Original |

## ACCESS SERVICE

| Page(s) | Revised | Page(s) | Revised | Page(s) | Revised |
|---|---|---|---|---|---|
| 474 | Original | 504 | Original | | |
| 475 | Original | 505 | Original | | |
| 476 | Original | 506 | Original | | |
| 477 | Original | 507 | Original | | |
| 478 | Original | 508 | Original | | |
| 479 | Original | 509 | Original | | |
| 480 | Original | 510 | Original | | |
| 481 | Original | 511 | Original | | |
| 482 | Original | 512 | Original | | |
| 483 | Original | 513 | Original | | |
| 484 | Original | 514 | Original | | |
| 485 | Original | 515 | Original | | |
| 486 | Original | 516 | Original | | |
| 487 | Original | 517 | Original | | |
| 488 | Original | 518 | Original | | |
| 489 | Original | 519 | Original | | |
| 490 | Original | 520 | Original | | |
| 491 | Original | 521 | Original | | |
| 492 | Original | 522 | Original | | |
| 493 | Original | 523 | Original | | |
| 494 | Original | 524 | Original | | |
| 495 | Original | 525 | Original | | |
| 496 | Original | 526 | Original | | |
| 497 | Original | | | | |
| 498 | Original | | | | |
| 499 | Original | | | | |
| 500 | Original | | | | |
| 501 | Original | | | | |
| 502 | Original | | | | |
| 503 | Original | | | | |

**ACCESS SERVICE**

## TABLE OF CONTENTS

| | | Page |
|---|---|---|
| Title Page | | Title 1 |
| Check Sheets | | 1 |
| Table of Contents | | 8 |
| Issuing Carriers | | 13 |
| Connecting Carriers | | 14 |
| Other Participating Carriers | | 14 |
| Registered Service Marks | | 14 |
| Registered Trademarks | | 14 |
| Explanation Of Symbols | | 15 |
| Explanation Of Abbreviations | | 15 |
| Reference To Other Tariffs | | 18 |
| Reference To Technical Publications | | 18 |
| **1.** | **APPLICATION OF TARIFF** | 21 |
| **2.** | **GENERAL REGULATIONS** | 22 |
| **2.1** | **Undertaking of the Telephone Company** | 22 |
| **2.2** | **Use** | 34 |
| **2.3** | **Obligations of the Customer** | 35 |
| **2.4** | **Payment Arrangements and Credit Allowances** | 40 |
| **2.5** | **Connections** | 70 |
| **2.6** | **Definitions** | 71 |
| **3.** | **CARRIER COMMON LINE ACCESS SERVICE** | 91 |
| **3.1** | **General Description** | 91 |
| **3.2** | **Regulations, Rates and Charges** | 91 |
| **3.3** | **Exceptions** | 91 |

## TABLE OF CONTENTS (Cont'd)

| | | Page |
|---|---|---|
| 4. | (RESERVED FOR FUTURE USE) | 92 |
| 5. | ORDERING SWITCHED AND SPECIAL ACCESS SERVICE | 93 |
| 5.1 | Access Service Request Requirements | 93 |
| 5.2 | Access Orders for Services Provided by More Than One Telephone Company | 108 |
| 5.3 | Access Order Charges | 110 |
| 6. | SWITCHED ACCESS SERVICE | |
| 6.1 | General | 118 |

(D)

(D)

## TABLE OF CONTENTS (Cont'd)


| | | Page |
|---|---|---|
| 7. | SPECIAL ACCESS SERVICE | 307 |
| 7.1 | Provision of Special Access Service | 308 |
| 7.2 | Rate Categories, Applications and Regulations | 318 |
| 7.3 | Metallic Service | 337 |
| 7.4 | Telegraph Grade Service | 341 |
| 7.5 | Voice Grade Service | 344 |
| 7.6 | Program Audio Service | 360 |
| 7.7 | Video Service | 369 |
| 7.8 | Wideband Analog Service | 374 |
| 7.9 | Wideband Data Service | 380 |
| 7.10 | Digital Data Service | 388 |
| 7.11 | High Capacity Service | 394 |
| 7.12 | Individual Case Filing | 405 |

## TABLE OF CONTENTS (Cont'd)


| | | | Page |
|---|---|---|---|
| 8. | | MISCELLANEOUS SERVICES | 406 |
| | 8.1 | Additional Engineering | 406 |
| | 8.2 | Additional Labor | 409 |
| | 8.3 | Maintenance of Service | 411 |
| | 8.4 | Additional Testing | 413 |
| | 8.5 | Balloting and Allocation Process for Equal Access | 415 |
| | 8.6 | Protective Connecting Arrangement | 435 |
| | 8.7 | Miscellaneous Equipment | 440 |
| | 8.8 | Restoration Priority | 441 |
| | 8.9 | Standard Jacks - Registration Program | 442 |
| | 8.10 | Billing Name and Address Services | 447 |
| 9. | | INTERFACE GROUPS, TRANSMISSION SPECIFICATIONS and CHANNEL CODES | 453 |
| | 9.1 | Local Transport Interface Groups | 453 |
| | 9.2 | Transmission Specifications for Switched Access Service | 463 |
| | 9.3 | Channel Interface and Network Channel Codes | 474 |

## TABLE OF CONTENTS (Cont'd)


| | | Page |
|---|---|---|
| 10. | SPECIAL FEDERAL GOVERNMENT ACCESS SERVICES | 503 |
| 10.1 | General | 503 |
| 10.2 | Emergency Conditions | 504 |
| 10.3 | Intervals to Provide Service | 505 |
| 10.4 | Safeguarding of Service | 505 |
| 10.5 | Federal Government Regulations | 505 |
| 10.6 | Service Offerings to the Federal Government | 506 |
| 11. | SPECIAL FACILITIES ROUTING OF ACCESS SERVICES | 515 |
| 11.1 | Description of Special Facilities Routing of Access Services | 515 |
| 11.2 | Rates and Charges for Special Facilities Routing of Access Service | 517 |
| 12. | SPECIALIZED SERVICE OR ARRANGEMENTS | 519 |
| 12.1 | General | 519 |
| 12.2 | Rates and Charges | 519 |
| 13. | EXCEPTIONS TO ACCESS SERVICE OFFERINGS | 521 |
| 14. | EAS AND ACCESS TANDEM BILLING ARRANGEMENTS | 522 |
| 14.1 | General | 522 |
| 14.2 | Billing of Switched Access Service Feature Group A in Extended Area Service Arrangements | 522 |
| 14.3 | Billing of Switched Access Service Feature Group B in Access Tandem Arrangements | 524 |
| 15. | (RESERVED FOR FUTURE USE) | 526 |

## ISSUING CARRIERS

1. All Regulations, Rates, and Charges presented in this tariff are applicable to the following Issuing Carriers. Wire Center locations for these Issuing Carriers are located in Exchange Carrier Association Tariff FCC No. 4

Citizens Telecommunications Company of Minnesota
For the State of: Minnesota

## CONCURRING CARRIERS

NO CONCURRING CARRIERS

## CONNECTING CARRIERS

NO CONNECTING CARRIERS

## OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

| REGISTERED SERVICE MARKS | REGISTERED TRADEMARKS |
|---|---|
| NONE | NONE |

## EXPLANATION OF SYMBOLS

(C) - To signify changed regulation
(D) - To signify discontinued rate or regulation
(I) - To signify increase
(M) - To signify matter relocated without change
(N) - To signify new rate or regulation
(R) - To signify reduction
(S) - To signify reissued matter
(T) - To signify a change in text but no change in rate or regulation
(Z) - To signify a correction

## EXPLANATION OF ABBREVIATIONS

| | | |
|---|---|---|
| ac | - | Alternating current |
| AML | - | Actual Measured Loss |
| ANI | - | Automatic Number Identification |
| AP | - | Program Audio |
| ASR | - | Access Service Request |
| AT&T | - | American Telephone and Telegraph Company |
| BD | - | Business Day |
| BHMC | - | Busy Hour Minutes of Capacity |
| BSA | - | Basic Serving Arrangement |
| BSE | - | Basic Service Element |
| CAROT | - | Centralized Automatic Reporting on Trunks |
| CCS7 | - | Common Channel Signaling System 7 |
| CI | - | Changes Interface |
| CO | - | Central Office |
| COCTX | - | Central Office Centrex |
| Cont'd | - | Continued |
| CPE | - | Customer Provided Equipment |
| Ctx | - | Centrex |
| dB | - | decibel |
| dBrnC | - | Decibel Reference Noise C-Message Weighting |
| dBrnCO | - | Decibel Reference Noise C-Message Weighted O |
| dBv | - | Decibel(s) Relative to 1 Volt (Reference) |
| dBvl | - | Decibel(s) Relating to 1 Volt (Reference) |
| dc | - | direct current |

## EXPLANATION OF ABBREVIATIONS (Cont'd)

| | | | |
|---|---|---|---|
| EDD | - | Envelope Delay Distortion | |
| ELEPL | - | Equal Level Echo Path Loss | |
| EML | - | Expected Measured Loss | |
| EPL | - | Echo Path Loss | |
| ERL | - | Echo Return Loss | |
| ESS | - | Electronic Switching System | |
| ESSX | - | Electronic Switching System Exchange | |
| f | - | frequency | |
| FIA | - | Facilities for Intrastate Access | (N) |
| FID | - | Field Identifier | |
| FCC | - | Federal Communications Commission | |
| FX | - | Foreign Exchange | |
| HC | - | High Capacity | |
| Hz | - | Hertz | |
| IC | - | Interexchange Carrier | |
| ICB | - | Individual Case Basis | |
| ICL | - | Inserted Connection Loss | |
| KBPS | - | Kilobits per second | |
| KHZ | - | Kilohertz | |
| LATA | - | Local Access and Transport Area | |
| Ma | - | Milliamperes | |
| Mbps | - | Megabits per second | |
| MF | - | Multifrequency | |
| MHz | - | Megahertz | |
| MMUC | - | Minimum Monthly Usage Charge | |
| MRC | - | Monthly Recurring Charge | |
| MT | - | Metallic | |
| MTS | - | Message Telecommunications Service(s) | |
| NPA | - | Numbering Plan Area | |
| NRC | - | Nonrecurring Charge | |
| NTS | - | Non-Traffic Sensitive | |
| NXX | - | Three-Digit Central Office Code | |
| OTPL | - | Zero Transmission Level Point | |
| PBX | - | Private Branch Exchange | |
| PCM | - | Pulse Code Modulation | |
| PLR | - | Private Line Ringdown | |
| POT | - | Point of Termination | |
| rms | - | root-mean-square | |
| RSM | - | Remote Switching Modules | |

**ACCESS SERVICE**

## EXPLANATION OF ABBREVIATIONS (Cont'd)

| | | |
|---|---|---|
| RSS | - | Remote Switching Systems |
| SRL | - | Singing Return Loss |
| SS7 | - | Signaling System 7 |
| SSN | - | Switched Service Network |
| SWC | - | Serving Wire Center |
| TES | - | Telephone Exchange Service(s) |
| TLP | - | Transmission Level Point |
| TSPS | - | Traffic Service Position System |
| TV | - | Television |
| US0C | - | Uniform Service Order Code |
| VG | - | Voice Grade |
| V & H | - | Vertical & Horizontal |
| WA | - | Wideband Analog |
| WATS | - | Wide Area Telecommunications Service(s) |
| WD | - | Wideband Data |

## REFERENCE TO OTHER TARIFFS

Whenever reference is made in this tariff to other tariffs of the Telephone Company, the reference is to the tariffs in force as of the effective date of this tariff, and to amendments thereto and successive issues thereof.

## REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Bell Communications Research, Inc., Distribution Storage Center, 60 New England Avenue, Piscataway, N.J. 08854.

Compatibility Bulletin 106, Issue 2
Issued: December, 1981 Available: March 11, 1982

Technical Reference:

PUB 41451 High Capacity Terrestrial Digital Service
Issued: January, 1983 Available: May 17, 1983

PUB 60101
Issued: December, 1982 Available: January 17, 1983

PUB 41004 Data Communications Using Voiceband Private Line Channels
Issued: October, 1973 Available: October, 1973

PUB 62310 Digital Data System Channel Interface Specification
Issued: September, 1983 Available: October, 1983

PUB 62411 High Capacity Digital Service Channel Interface Specifications
Issued: September, 1983 Available: October, 1983

TR-NPL-000334 Voice Grade Switched Access Service
Issued: June, 1986 Available: July, 1986

TR-NPL-000335 Voice Grade Special Access Service
Issued: June, 1986 Available: July, 1986

PUB 62501 Addendum Voice Grade Special Access Service
Issued: March, 1984 Available: April, 1984

## REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

Technical Reference (Cont'd):

PUB 62502 Narrowband Special Access Service
Issued: December, 1983 Available: January, 1984

PUB 62503 Program Audio Special Access Service
Issued: December, 1983 Available: March 15, 1984

PUB 62503 Addendum Program Audio Special Access Service
Issued: March, 1984 Available: April, 1984

PUB 62504 Television Special Access Service
Issued: December, 1983 Available: March 15, 1984

PUB 62504 Addendum Television Special Access Service
Issued: March, 1984 Available: April, 1984

PUB 62505 Wideband Analog Special Access Service
Issued: December, 1983 Available: January, 1984

PUB 62505 Addendum Wideband Analog Special Access Service
Issued: March, 1984 Available: April, 1984

PUB 62506 Wideband Digital Special Access Service
Issued: December, 1983 Available: January, 1984

PUB 62507 Digital Data Special Access Service
Issued: December, 1983 Available: March 15, 1984

PUB 62508 High Capacity Digital Special Access Service
Issued: December, 1983 Available: January, 1984

Multiple Exchange Carrier Access Billing Guidelines (MECAB)
Issued: November, 1987 Available: November, 1987

Multiple Exchange Carrier Ordering and Design Guidelines (MECOD)
Issued: November, 1985 Available: November, 1985

## REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from the Bell Communications Technical Education Center, Room B02, 6200 Route 53, Lisle, IL 60532.

Telecommunications Transmission Engineering
Volume 3 - Networks and Services (Chapter 6 and 7)
Second Edition, 1980
Issued: June, 1980 Available: June, 1980

The following Technical Publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Director - Tariff and Regulatory Matters, 100 So. Jefferson Road, Whippany, NJ 07981 and the Federal Communications Commission's commercial contractor.

PUB AS No. 1, Issue II
Issued: May, 1984 Available: May, 1984
Addendum: March 1987 Available: March, 1987

The following tariff is referenced in this tariff and may be obtained from the Federal Communications Commission's commercial contractor.

Exchange Carrier Association
Tariff FCC No. 4

## 1. Application of Tariff

1.1 This tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, End User Access, Switched Access and other miscellaneous services, hereinafter referred to collectively as service(s), provided by the Issuing Carriers of this tariff, hereinafter referred to as the Telephone Company, to customers.

1.2 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.

## 2. General Regulations

### 2.1 Undertaking of the Telephone Company

#### 2.1.1 Scope

(A) The Telephone Company does not undertake to transmit messages under this tariff.

(B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services it provides.

(C) The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.

(D) Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this tariff.

(E) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.2 Limitations

(A) The customer may not assign or transfer the use of services provided under this tariff; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:

(1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or

(2) a court-appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.

In all cases of assignment or transfer, the written acknowledgment of the Telephone Company is required prior to such assignment or transfer which acknowledgment shall be made within 15 days from the receipt of notification. All rates, regulations and conditions contained in this tariff shall apply to such assignee or transferee.

The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligation existing at the time of the assignment or transfer.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.2 Limitations (Cont'd)

(B) The use and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A, of the Federal Communications Commission's Rules and Regulations, which specifies the priority system for such activities.

(C) Subject to compliance with the rules mentioned in preceding, the services offered herein will be provided to customers on a first-come, first-served basis, except as outlined in (D) following.

(D) When an end office is scheduled to be converted to an equal access end office, and a shortage of facilities exists, the Telephone Company will allocate available resources to participating ICs as set forth in 5.1.5(A) following.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.3 Liability

(A) The Telephone Company's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, termination, maintenance, repair or restoration, of service, and subject to the provisions of (B) through (H) following, the Telephone Company's liability if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this tariff as a Credit Allowance for a Service Interruption.

(B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.

(C) The Telephone Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.3 Liability (Cont'd)

(D) The Telephone Company shall be indemnified, defended and held harmless by the IC or end user against any claim, loss or damage arising from the IC or end user's use of services offered under this tariff, involving:

(1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the IC or end user's own communications.

(2) Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the IC or end user or;

(3) All other claims arising out of any act or omission of the IC or end user in the course of using services provided pursuant to this tariff.

(E) The Telephone Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to such customer's use of services so provided.

(F) No license under patents (other than the limited license to use) is granted by the Telephone Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.3 Liability (Cont'd)

(G) The Telephone Company will defend the customer against claims of patent infringement arising solely from the use by the customer of services offered under this tariff and will indemnify such customer for any damages awarded based solely on such claims.

(H) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Telephone Company, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the Credit Allowance for a Service Interruption as set forth in 2.4.4 following.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.4 Provision of Services

The Telephone Company, to the extent that such services are or can be made available with reasonable effort, and after provision has been made for the Telephone Company's telephone exchange services, will provide to the customer upon reasonable notice services offered in other applicable sections of this tariff at rates and charges specified therein.

#### 2.1.5 Installation and Termination of Services

The services provided under this tariff (A) will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a location at the customer-designated premises and (B) will be installed by the Telephone Company to such Point of Termination. The Telephone Company will work cooperatively with the customer to determine the location of the Point of Termination in accordance with the Telephone Company's standard operating procedures.

Each Access Service has only one Point of Termination per customer premises. Any additional terminations beyond such Point of Termination are the sole responsibility of the customer. Moves of the Point of Termination are handled as set forth in 6.5.4(C) following and Section 7.2.1(D)(3).

#### 2.1.6 Maintenance of Services

The services provided under this tariff shall be maintained by the Telephone Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Telephone Company, other than by connection or disconnection to any interface means used, except with the written consent of the Telephone Company.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.7 Changes, Substitutions and Rearrangements

Except as provided for equipment and systems subject to FCC Part 68 Regulations at 47 C.F.R Section 68.110(b), the Telephone Company may, where such action is reasonably required in the operation of its business;

(A) Substitute, change or rearrange any facilities used in providing service under this tariff, including but not limited to:

(1) substitution of different metallic facilities,
(2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities, and
(3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities; and
(4) change in the routing of access service traffic.

(B) Change minimum protection criteria;

(C) Change operating or maintenance characteristics of facilities or,

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.7 Changes, Substitutions and Rearrangements (Cont'd)

(D) Change operations or procedures of the Telephone Company.

In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in Sections 6, 9 and 7 following. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Telephone Company will provide reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Telephone Company will work cooperatively with the customer to determine reasonable notification procedures.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.8 Refusal and Discontinuance of Service

Unless the provisions of 2.2.1(B) or 2.5 following apply, if a customer fails to comply with the regulations set forth in: 2.1.6; Maintenance of Service, 2.2.2; Unlawful Use, 2.3.1; Damages, 2.3.4; Availability for Testing, 2.3.5; Balance, and 2.4; Payment Arrangements and Credit Allowances, or fails to make any payment to be made by it on the dates and times herein specified, the Telephone Company may, or thirty (30) days written notice by Certified U.S. Mail to the person designated by that customer to receive such notices or noncompliance:

(a) Refuse additional applications for service and/or refuse to complete any pending orders for service by the noncomplying customer; and/or

(b) Discontinue the provision of the services to the noncomplying customer. In the case of such discontinuance, all applicable charges including termination charges shall become due.

If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) days notice given pursuant to (a) above, or does not discontinue its provision of services involved on the date specified in the thirty (30) day notice given pursuant to (b) above and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service to the noncomplying customer without further notice.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.9 Limitation of Use of Metallic Facilities

Signals applied to a metallic facility shall conform to the limitations set forth in Technical Reference Publication AS No. 1. In the case of applications of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limiting devices to protect the Telephone Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

#### 2.1.10 Notification of Service-Affecting Activities

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in normal operation of its business. Such activities may include, but are not limited to, equipment or facilities additions, removals or rearrangements, routine preventative maintenance and major switching machine change-out. Generally, such activities are not individual customer service specific, they affect many customer services. No specific advance notification period is applicable to all service-affecting activities. The Telephone Company will work cooperatively with the customer to determine the notification requirements.

#### 2.1.11 Coordination with Respect to Network Contingencies

The Telephone Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

## 2. General Regulations (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.12 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers, any other call number designations associated with Access Services, or the Telephone Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Telephone Company will furnish to the customer 6 months notice, by Certified U.S. Mail, of the effective date and an explanation of the reason(s) for such change(s).

## 2. General Regulations (Cont'd)

### 2.2 Use

#### 2.2.1 Interference or Impairment

(A) The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company and associated with the facilities utilized to provide services under this tariff shall not interfere with or impair service over any facilities of the Telephone Company, its affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public.

(B) Except as provided for equipment or systems subject to the FCC Part 68 Rules in 47 C.F.R Section 68.108, if such characteristics or methods of operation are not in accordance with (A) preceding, the Telephone Company will, where practicable, notify the customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, credit allowance for service interruptions as set forth in 2.4.4 following is not applicable.

#### 2.2.2 Unlawful Use

The service provided under this tariff shall not be used for an unlawful purpose.

## 2. General Regulations (Cont'd)

### 2.3 Obligations of the Customer

#### 2.3.1 Damages

The customer shall reimburse the Telephone Company for damages to Telephone Company facilities utilized to provide services under this tariff caused by the negligence or willful act of the customer, or resulting from the customer's improper use of the Telephone Company facilities, or due to malfunction of any facilities or equipment provided by other than the Telephone Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone Company will, upon reimbursement for damages, cooperate with the customer in prosecuting a claim against the person causing such damage and the customer shall be subrogated to the right of recovery by the Telephone Company for the damages to the extent of such payment.

#### 2.3.2 Ownership of Facilities and Theft

Facilities utilized by the Telephone Company to provide service under the provisions of this tariff shall remain the property of the Telephone Company. Such facilities shall be returned to the Telephone Company by the customer, whenever requested, within a reasonable period following the request in as good condition as reasonable wear will permit.

## 2. General Regulations (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.3 Equipment Space and Power

The customer shall furnish or arrange to have furnished to the Telephone Company, at no charge, equipment space and electrical power required by the Telephone Company to provide services under this tariff at the points of termination of such services. The selection of ac or dc power shall be mutually agreed to by the customer and the Telephone Company. The customer shall also make necessary arrangements in order that the Telephone Company will have access to such spaces at reasonable times for installing, testing, repairing or removing Telephone Company services.

#### 2.3.4 Availability for Testing

The services provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

#### 2.3.5 Balance

All signals for transmission over the services provided under this tariff shall be delivered by the customer balanced to ground except for ground start, duplex (DX) and McCulloh-Loop (Alarm System) type signaling and dc telegraph transmission at speeds of 75 baud or less.

## 2. General Regulations (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.6 Design of Customer Services

Subject to the provisions of 2.1.7 preceding, the customer shall be solely responsible, at its own expense, for the overall design of its services and for any redesigning or rearrangement of its services which may be required because of changes in facilities, operations or procedures of the Telephone Company, minimum protection criteria or operating or maintenance characteristics of the facilities.

#### 2.3.7 References to the Telephone Company

The customer may advise End Users that certain services are provided by the Telephone Company in connection with the service the customer furnishes to End Users; however, the customer shall not represent that the Telephone Company jointly participates in the customer's services.

#### 2.3.8 Claims and Demands for Damages

(A) With respect to claims of patent infringement made by third persons, the customer shall defend, indemnify, protect and save harmless the Telephone Company from and against all claims arising out of the combining with, or use in connection with, the services provided under this tariff, any circuit, apparatus, system or method provided by the customer.

## 2. General Regulations (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.8 Claims and Demands for Damages (Cont'd)

(B) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Telephone Company's services provided under this tariff, including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and proceedings to recover taxes, fines, or penalties for failure of the customer to obtain or maintain in effect any necessary certificates, permits, licenses, or other authority to acquire or operate the services provided under this tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortuous conduct of the customer, its officers, agents or employees.

(C) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act or omission of the customer in the course of using services provided under this tariff.

## 2. General Regulations (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.9 Coordination with Respect to Network Contingencies

The customer shall, in cooperation with the Telephone Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

#### 2.3.10 Sectionalization and Trouble Reporting

The customer will be responsible for reporting troubles sectionalized to Telephone Company facilities and/or equipment. When trouble cannot be clearly sectionalized to the Telephone Company facilities and/or equipment, the Telephone Company will test cooperatively or independently to assist in trouble sectionalization.

#### 2.3.11 Identification and Rating of VoIP-PSTN Traffic* (N)

(A) Scope

(1) VoIP-PSTN Traffic is defined as traffic exchanged between the Telephone Company end user and the customer in time division multiplexing ("TDM") format that originates and/or terminates in Internet protocol ("IP") format. This section governs the identification of VoIP-PSTN Traffic that is required to be compensated at interstate access rates by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (Nov. 18, 2011) ("FCC Order").

*On April 25, 2012 the FCC released its Second Order on Reconsideration of the USF/ICC Transformation Order. Based on this Order, the tariff language in this section will also apply to originating access for VoIP-PSTN for the period of December 29, 2011 through the effective date of the FCC's April 25th Order, which will occur 45 days after publication of the Order in the Federal Register. (N)

## 2. General Regulations (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(A) Scope (Cont'd)

(1) (Cont'd)

Specifically, this section establishes the method of separating such traffic (referred to in this tariff as "Relevant VoIP-PSTN Traffic") from the customer's traditional intrastate access traffic, so that such Relevant VoIP-PSTN Traffic can be billed in accordance with the FCC Order.

(2) This section will be applied to the billing of switched access charges to a customer that is a local exchange carrier only to the extent that the customer has also implemented billing of interstate access charges for Relevant VoIP-PSTN Traffic in accordance with the FCC Order.

(B) Rating of VoIP-PSTN Traffic

The Relevant VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's applicable tariffed interstate switched access rates as switched access rates as specified on the company website http://tariffs.citizenscommunications.com/crtf/tariffs then FCC tariffs, then click on Frontier Telephone Companies FCC No. 1 Interstate Access (Rate Group 4). The rates will be found in Section 20.4 (Rates and Charges Group 4). This URL will be tested twice annually to ensure it functions properly (N) (N)

## 2. General Regulations (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(C) Calculation and Application of Percent-VoIP-Usage Factor

The Telephone Company will determine the number of Relevant VoIP-PSTN Traffic minutes of use ("MOU") to which interstate rates will be applied under subsection (B), above, by applying a Percent VoIP Usage ("PVU") factor to the total terminating intrastate access MOU received by a The Telephone Company from the customer. The PVU will be derived and applied as follows: (T) (T)

(1) The customer will calculate and furnish to the Telephone Company a factor (the "PVU") representing the percentage of the total intrastate and interstate access MOU that the customer terminates to the Telephone Company in the State, that is sent to the Telephone Company and that originated in IP format. This PVU shall be based on information such as traffic studies, actual call detail, or other relevant and verifiable information. (T) (T) (T) (T)

(2) The Telephone Company will apply the PVU factor to the total terminating intrastate access MOU received from the customer to determine the number of Relevant VoIP-PSTN Traffic MOUs. (T) (T)

(3) If the customer does not furnish the Telephone Company with a PVU pursuant to the preceding paragraph 1,the Telephone Company will utilize a PVU equal to zero.

## 2. General Regulations (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(D) Initial PVU Factor

If the PVU factor is not available and/or cannot be implemented in the Telephone Company's billing systems by January 1, 2012, once the factor is available and can be implemented the Telephone Company will adjust the customer's bills to reflect the PVU retroactively to January 1, 2012. This retroactive adjustment will be made to January 1, 2012, provided that the customer provides the factor to the Telephone Company no later than April 15, 2012; otherwise, it will set the initial PVU equal to zero, as specified in subsection (C)(1), above.

(E) PVU Factor Updates

The customer may update the PVU factor quarterly using the method set forth in subsection (C)(1), above. If the customer chooses to submit such updates, it shall forward to the Telephone Company, no later than 15 days after the first day of January, April, July and/or October of each year, a revised PVU factor based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factor will apply prospectively and serve as the basis for billing until superseded by a new PVU.

(F) PVU Factor Verification

Not more than four times in any year, the Telephone Company may ask the customer to verify the PVU factor furnished to the Telephone Company. The party so requested shall comply, and shall reasonably provide the records and other information used to determine the PVU factors.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances

#### 2.4.1 Payment of Rates, Charges and Deposits

(A) Deposits

The Telephone Company will, in order to safeguard its interests, only require a customer which has a proven history of late payments to the Telephone Company or does not have established credit, to make a deposit prior to or at any time after the provision of a service to the customer to be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required of a customer which is a successor of a company which has established credit and has no history of late payments to the Telephone Company. Such deposit may not exceed the actual or estimated rates and charges for the service for a two month period. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to the prompt payment of bills. At such time as the provision of the service to the customer is terminated, the amount of the deposit will be credited to the customer's account and any credit balance which may remain will be refunded.

Such a deposit will be refunded or credited to the account when the customer has established credit or, in any event, after the customer has established a one-year prompt payment record at any time prior to the termination of the provision of the service to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive interest at the same percentage rate as set forth in (C)(1) or in (C)(2) following, whichever is lower. The rate will be compounded daily for the number of days from the date the

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(A) Deposits (Cont'd)

customer deposit is received by the Telephone Company to and including the date such deposit is credited to the customer's account or the date the deposit is refunded by the Telephone Company. Should a deposit be credited to the customer's account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the customer's account.

(B) Payment of Rates and Charges

The Telephone Company shall bill on a current basis all charges incurred by and credits due to the customer under this tariff attributable to services established or discontinued during the preceding billing period. In addition, the Telephone Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government which will be billed in arrears. The bill day (i.e., the billing date of a bill for a customer for Access Service under this tariff), the period of service each bill covers and the payment date will be as follows:

(1) For End User Access Service and Presubscription Service, the Telephone Company will establish a bill day each month for each end user account. The bill will cover End User Access Service charges for the ensuing billing period except for End User Access Service for the Federal Government

**2. General Regulations (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.1 Payment of Rates, Charges and Deposits (Cont'd)**

(B) Payment of Rates and Charges (Cont'd)

(1) (Cont'd)

which will be billed in arrears. Any applicable Presubscription Charges, any known unbilled charges for prior periods and any known unbilled adjustments for prior periods for End User Access Service and Presubscription Service will be applied to this bill. Such bills are due when rendered.

(2) For Switched Access Service, Special Access Service, and Miscellaneous Service charges, the Telephone Company will establish a bill day each month for each customer account. The bill will cover nonusage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled nonusage sensitive charges for prior periods and unbilled usage charges for the period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and known unbilled adjustments will be applied to this bill. Payment for such bills is due as set forth in (3) following. If payment is not received by the payment date, as set forth in (3) following in immediately available funds, a late payment penalty will apply as set forth in (C) following.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) Payment of Rates and Charges (Cont'd)

(3) All bills dated as set forth in (2) preceding for service, provided to the customer by the Telephone Company are due 31 days (payment date) after the bill date or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the first Tuesday in November and the day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows:

If such payment date falls on Sunday or on a Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Holiday. If such payment date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-Holiday day preceding such Saturday or Holiday.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(C) Late Payment Penalty

If any portion of the payment is received by the Telephone Company after the payment date as set forth in (B)(3) preceding, or if any portion of the payment is received by the Telephone Company in funds which are not immediately available to the Telephone Company, then a late payment penalty shall be due to the Telephone Company in addition to the outstanding amount. The late payment penalty shall be the portion of the payment not received by the payment date times a late factor. The late factor shall be the lessor of:

(1) the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company, or

(2) 0.000590 per day, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(D) Billing Disputes

In the event that a billing dispute occurs concerning any charges billed to the customer by the Telephone Company the following regulations will apply.

(1) The date of the dispute shall be the date on which the customer furnishes the Telephone Company sufficient documentation to investigate the claim. documentation must include, at the minimum, the account number under which the bill has been rendered, the date of the bill, the specific items on the bill being disputed, and, when possible the applicable tariff section if the dispute is predicated on a tariff rate or regulation.

(2) The date of resolution shall be the date on which the Telephone Company completes its investigation of the dispute, notifies the customer of the disposition and applies a credit for the amount of the dispute resolved in the customer's favor or late payment penalty as appropriate. The Telephone Company will work cooperatively with any customer to resolve billing disputes.

(3) If a billing dispute is resolved in favor of the Telephone Company, any payments withheld pending resolution of the dispute shall be subject to the late payment penalty as set forth in (C) preceding.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(D) Billing Disputes (Cont'd)

(4) If a billing dispute is resolved in favor of the customer and the customer pays the total billed amount on or before the payment date, the Telephone Company will refund any over-payment and will apply a credit for a disputed amount penalty as set forth in (a) and (b) following.

(a) If a customer disputes a bill within ninety (90) days of the bill date and pays the total billed amount on or before the payment date, and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the payment date and ending on the date of resolution. The credit for a disputed amount penalty shall be an amount equal to the disputed amount resolved in the customer's favor times a penalty factor as set forth in (5) following.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(D) Billing Disputes (Cont'd)

(4) (Cont'd)

(b) If a customer disputes a bill after ninety (90) days from the bill date and pays the total billed amount on or before the payment date and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the date of claim and ending on the date of resolution. The credit for a disputed amount penalty shall be an amount equal to the disputed amount resolved in the customer's favor times a penalty factor as set forth in (5) following.

(5) The disputed amount penalty shall be an amount equal to the disputed amount resolved in the customer's favor times a penalty factor. The penalty factor shall be the lesser of

(a) the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the amount of days from the first date to and including the last date of the period involved, or

(b) 0.000590 per day, compounded daily for the number of days from the first date to and including the last date of the period involved.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(E) Billing Adjustments and Rounding

Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days or major fraction of days based on a 30 day month. When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

(F) Provision of Access Service Billing and Bill Verification

(1) The Telephone Company will, upon reasonable request and if available, furnish such detailed information as may be required for verification of any bill.

(2) The customer will receive its monthly bills in a standard paper format, or, at the customer's option, on magnetic tape in standard industry format for these access services for which the Telephone Company is technically capable of providing magnetic tape billing. Additional copies of the customer's bill may be provided in standard paper format at the rates and charges set forth in (3) following. When the customer requests a paper copy of the customer's bill in addition to the customer bill provided on magnetic tape, the rate set forth in (3) following shall apply per page.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

| | | Rate |
|---|---|---|
| (3) | Additional copies of the customer's monthly bill or service and features record in standard paper format, per page | $0.07 |

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.2 Minimum Periods

The minimum period for which services are provided and for which rates and charges are applicable is one month except as otherwise specified.

The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis as set forth in 12. following, is one month unless a different minimum period is established with the individual case filing.

When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not, as follows:

(A) When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.

(B) When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of (1) the Telephone Company's total nonrecoverable costs less the net salvage value for the discontinued service or (2) the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

#### 2.4.3 Cancellation of an Order for Service

Provisions for the cancellation of an order for service are set forth in Section 5.3.2 following.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.4 Credit Allowance for Service Interruption

(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer as set forth in 6.4(A) following. An interruption period starts when an inoperative service is reported to, or discovered by, the Telephone Company designated trouble reporting office and ends when the service is operative. The customer is responsible for sectionalizing trouble to the Telephone Company facilities and/or equipment as set forth in 2.3.10 to preceding.

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be calculated as set forth in (B) and (C) following. Interruptions for which no credit allowance applies are set forth in (D) following.

The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the monthly rate and minimum monthly usage charge for the service interrupted in any one monthly billing period.

For purposes of this section of the tariff, "major fraction" is defined as that time period representing one-half or more of the incremental time period used to apply the credit allowance for those specific services listed in (B) following.

Service interruptions for Specialized Service or Arrangements provided under the provisions of 12. following shall be administered in the same manner as those set forth in this section (2.4.4) unless other regulations are specified with the individual case filing.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.4 Credit Allowance for Service Interruption (Cont'd)

(B) Special Access Services

(1) For Special Access Services other than Program Audio and Video Services, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues.

The monthly charges used to determine the credit shall be as follows:

(a) For two point services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with the service (i.e., two circuit terminations, circuit mileage and optional features and functions).

(b) For multipoint services, the monthly charge subject to credit to shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a circuit termination per customer premises, circuit mileage and optional features and functions).

**2. General Regulations (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.4 Credit Allowance for Service Interruption (Cont'd)**

(B) Special Access Services (Cont'd)

(1) (Cont'd)

(c) For multiplexed services, the monthly charge subject to credit shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the circuit termination, circuit mileage and optional features and functions, including the multiplexer on the facility to the hub, and the circuit terminations, circuit mileages and optional features and functions on the individual services from the hub). When the service which rides a circuit of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., circuit termination, circuit mileage and optional features and functions).

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) Special Access Services (Cont'd)

(2) For Program Audio and Video Special Access Services, no credit shall be allowed for an interruption of less than 30 seconds. The customer shall be credited for an interruption of 30 seconds or more as follows:

(a) For two-point services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.

(b) For two-point services, when daily rates are applicable, the credit shall be at the rate of 1/288 of the daily charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.

(c) For multipoint services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for each circuit termination, circuit mileage and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.

**2. General Regulations (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.4 Credit Allowance for Service Interruptions (Cont'd)**

(B) Special Access Services (Cont'd)

(2) (Cont'd)

(d) For multipoint services, when daily rates are applicable, the credit shall be at the daily rate of 1/288 of the daily charges for each circuit termination, circuit mileage and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.

(e) For multipoint services, the credit for the monthly or daily charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.

(f) When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one interruption.

(3) For certain Special Access services (Wideband Digital, WD1-3; Digital Data Access, DA1-4; and High Capacity, HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(C) Switched Access Service

For Switched Access Service, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of any applicable monthly rate, assumed usage, or minimum monthly usage charge for each period of 24 hours or major fraction thereof that the interruption continues.

(D) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

(1) Interruptions caused by the negligence of the customer.

(2) Interruptions of a service due to the failure of equipment or systems provided by the customer or others.

(3) Interruptions of service during any period in which the Telephone Company is not afforded access to the premises where the service is terminated.

(4) Interruptions of service when the customer has released that service to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of that service. Thereafter, a credit allowance as set forth in (B) preceding applies.

**2. General Regulations (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.4 Credit Allowance for Service Interruptions (Cont'd)**

(D) When a Credit Allowance Does Not Apply (Cont'd)

(5) Interruptions of a service which continue because of the failure of the customer to authorize replacement of any element of special construction, as set forth in CONTEL TARIFF FCC NO. 2 for SPECIAL CONSTRUCTION. The period for which no credit allowance is made begins on the seventh day after the customer receives the Telephone Company's written notification of the need for such replacement and ends on the day after receipt by the Telephone Company of the customer's written authorization for such replacement.

(6) Periods when the customer elects not to release the service of testing and/or repair and continues to use it on an impaired basis.

(7) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(E) Use of an Alternative Service Provided by the Telephone Company

Should the customer elect to use an alternative service provided by the Telephone Company during the period that a service is interrupted, the customer must pay the tariffed rates and charges for the alternative service used.

(F) Temporary Surrender of a Service

In certain instances, the customer may be requested by the Telephone Company to surrender a service for purposes other than maintenance, testing or activity relating to a service order. If the customer consents, a credit allowance will be granted. The credit allowance will be 1/1440 of the monthly rate for each period of 30 minutes or fraction thereof that the service is surrendered. In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.5 Re-establishment of Service Following Fire, Flood or Other Occurrence

(A) Nonrecurring Charges Do Not Apply

Charges do not apply for the re-establishment of service following a fire, flood or other occurrence attributed to an Act of God provided that:

(1) The service is of the same type as was provided prior to the fire, flood or other occurrence.

(2) The service is for the same customer.

(3) The service is at the same location on the same premises.

(4) The re-establishment of service begins within 60 days after Telephone Company service is available. (The 60 day period may be extended a reasonable period if the renovation of the original location on the premises affected is not practical within the allotted time period).

(B) Nonrecurring Charges Apply

Nonrecurring Charges apply for establishing service at a different location on the same premises or at a different premises pending re-establishment of service at the original location.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.6 Title or Ownership Rights

The payment of rates and charges by Customers for the services offered under the provisions of this tariff does not assign, confer or transfer title or ownership rights to proposals or facilities developed or utilized, respectively, by the Telephone Company in the provision of such services.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.7 Access Services Provided by More Than One Telephone Company

The Telephone Company will perform the rating and billing of Access Services under this tariff where more than one Telephone Company is involved in the provision of Access Service as in (A), (B) or (C) following. The Single Company Billing arrangement in (A) following will be used for FGA and BSA-A Switched Access Services except where interconnection arrangements between the telephone companies involved permit the use of the Multiple company Billing arrangement in (B) following. The Telephone Company will notify the customer of the billing arrangement when the customer orders FGA or BSA-A service. The Multiple Company Billing arrangement, as in (B) following will be used for all FGB, FGC, FGD, BSA-B, BSA-C, 800/888/877 Access and 900 Access Switched Access Services and Special Access Services.

(A) Single Company Billing

The Telephone Company receiving the order from the customer as specified in 5.2(A) following will arrange to provide the service, determine the applicable charges and bill the customer for the entire service in accordance with its Access Services tariff.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Multiple Company Billing

(1) For access services subject to Multiple Company Billing, the customer will be billed according to one of the following methods:

Single Bill - The customer will receive a single bill for all access services provided by multiple Telephone Companies. The single bill will include all rate elements applicable to the access service(s) provided under one billing account.

Multiple Bill - The customer will receive a bill from each Telephone Company providing the access service(s). Multiple bills will include all charges applicable to the individual portion of the access service(s) provided by each Telephone Company.

The choice of billing method shall be determined by the Telephone Companies involved. The Telephone Company will notify the customer which method applies when the customer orders access service and will provide the customer thirty days' notice in the event that the billing method is changed.

**2. General Regulations (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)**

(B) Multiple Company Billing(Cont'd)

(2) For Switched Access Services, the Telephone Company will determine the applicable charges as follows:

(a) Determine the distance in airline miles using the V&H method set forth in Exchange Carrier Association Tariff FCC No. 4, between the Telephone Company's end office switch and the customer's serving wire center.

(b) The airline distance in miles developed in (a) preceding will be multiplied by the Local Transport Mileage rate times the number of access minutes of use times the billing percentage to determine the appropriate Local Transport Mileage charges. The billing percentage is that portion of local transport to be billed by each company and is mutually agreed upon by the Telephone Companies involved in providing Access Services to the customer. Billing percentages are listed in Exchange Carrier Association Tariff FCC No. 4.

**2. General Regulations (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)**

(B) Multiple Company Billing(Cont'd)

(2) (Cont'd)

(c) The total Local Transport charges shall be the Local Transport Mileage charge as determined in (b) preceding plus the Local Transport Circuit Connection rate times the number of access minutes of use. The Circuit Connection rate applies only at the Telephone Company end office.

(d) All other appropriate recurring and nonrecurring charges in each Telephone Company's access tariff are applicable.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(B) Multiple Company Billing (Cont'd)

(3) For Special Access Services, the Telephone Company will determine the applicable charges as follows:

(a) Determine the distance in airline miles using the V&H method set forth in Exchange Carrier Association Tariff No. 4 between the locations involved; i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premise and a Telephone Company hub, or two Telephone Company hubs.

(b) The airline distance in miles developed in (a) preceding will be multiplied by the Circuit Mileage - Per Mile rate element times the billing percentage to determine the appropriate Circuit Mileage-Per Mile charges. The billing percentage is that portion of circuit mileage to be billed by each company and is mutually agreed upon by the Telephone Companies involved in providing Access Services to the customer. Billing percentages are listed in Exchange Carrier Association Tariff FCC No. 4.

**2. General Regulations (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)**

(B) Multiple Company Billing (Cont'd)

(3) (Cont'd)

(c) The total Circuit Mileage charges shall be the Circuit Mileage Per-Mile charge determined in (b) preceding plus the Circuit Mileage-Fixed charge.

(d) All other appropriate recurring and nonrecurring charges in each Telephone Company's access tariff are applicable.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(C) EAS and Access Tandem Arrangements

Where a customer utilizes FGA and/or FGB Switched Access Services to originate or terminate calls within an Extended Area Service (EAS) calling area or access tandem network provided by more than one telephone company, the Telephone Company may apply additional Switched Access Service charges as set forth in (1) and (2) following, provided the following criteria are met:

- the telephone companies involved are not the same Telephone Company and do not provide service under the same Access Service tariff,

- the telephone companies do not have a revenue sharing arrangement where one telephone company bills the total cost of access which includes the other telephone company's cost of access,

- The telephone companies involved do not bill Switched Access charges in accordance with the Multiple Company Billing Arrangement for subtending end offices of an access tandem as set forth in (B) preceding.

## 2. General Regulations (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(C) EAS and Access Tandem Arrangements (Cont'd)

(1) For FGA usage which originates or terminates at a Telephone Company end office within an EAS calling area where the first point of switching (dial tone office) is provided by a different telephone company, the Telephone Company will apply Local Transport Mileage and Circuit Connection rates to originating access minutes, and End Office rates to originating and terminating access minutes as set forth in 6.6 following. The mileage used to determine the Local Transport Mileage charges will be based on the airline distance between the end office where the call originates and the dial tone office where the FGA service is provided. Such Switched Access charges will be in addition to those charges assessed by the telephone company in whose exchange the first point of switching (dial tone office) is located. Such usage will be determined as set forth in (3) following.

(2) For FGB usage which originates or terminates at a Telephone Company end office which subtends an access tandem provided by a different telephone company where the FGB service is provided, the Telephone Company will apply End Office and Local Transport Circuit Connection Rates as set forth in 6.8 following for all originating and terminating access minutes routed via the access tandem. Such usage will be determined as set forth in (3) following.

**2. General Regulations (Cont'd)**

**2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)**

(C) EAS and Access Tandem Arrangements (Cont'd)

(3) FGA or FGB usage originating or terminating at Telephone Company end offices in EAS or access tandem arrangements shall be determined as follows:

(a) Where end office specific usage data are available, such data will be used to determine the charges.

(b) Where end office specific usage data are not available, the total originating and/or terminating usage will be the measured usage or assumed usage at the first point of switching (i.e., dial tone office for FGA or access tandem for FGB). Originating and/or terminating usage will be determined based upon the ratios of the total number of subscriber lines in the Telephone Company exchange to the total number of subscriber lines in the EAS calling area or access tandem network. These ratios will be applied to the total number or originating and/or terminating access minutes to determine the access minutes for the Telephone Company exchange.

(4) The ratio used to calculate the access minutes as set forth in (3) preceding will be determined by the telephone company and provided to the customer upon request.

## 2. General Regulations (Cont'd)

### 2.5 Connections

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched and Special Access Service furnished by the Telephone Company where such connection is made in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in 2.1 preceding.

## 2. General Regulations (Cont'd)

### 2.6 Definitions

Certain terms used herein are defined as follows:

Access Area
The term "Access Area" denotes a specific calling area serviced by one or more Central Offices associated with the various Switched Access Services offered under this tariff. The size and configuration of the Access Area a customer obtains is dependent upon the Feature Group type and the specific characteristics of the Central Office or Access Tandem Network in which the connection is made.

Access Code
The term "Access Code" applies to Switched Access Service. It denotes a uniform seven digit code dialed by an end user to access an Interexchange Carrier's facilities. The seven digit code has the form of 101XXXX or 950-XXXX.

Access Minutes
The term "Access Minutes" denotes that usage of exchange facilities in interstate or foreign service for the purpose of calculating chargeable usage. On the originating end of an interstate or foreign call, usage is measured from the time the originating end user's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an interstate or foreign call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an interstate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Access Tandem
The term "Access Tandem" denotes a Telephone Company switching system that provides a concentration and distribution function for originating and/or terminating traffic between end offices and a customer's premises.

Access Tandem Network
The term "Access Tandem Network" denotes the network of trunk groups that provide a concentration and distribution function for originating and/or terminating Switched Access traffic between a single access tandem and Telephone Company subtending end offices.

Answer Message
The term "Answer Message" denotes an SS7 message sent in the backward direction to indicate that the call has been answered.

Answer/Disconnect Supervision
The term "Answer/Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the customer's point of termination as an indication that the called party has answered or disconnected.

Attenuation Distortion
The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz, unless otherwise specified.

Balance (100 Type) Test Line
The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Basic Service Element
The term "Basic Service Element (BSE)" denotes an unbundled service option available only with Basic Serving Arrangements.

Basic Serving Arrangement
The term "Basic Serving Arrangement (BSA)" denotes a category of Switched Access Service differentiated by technical characteristics, e.g., line side versus trunk side connection at the Telephone Company's first point of switching.

Bit
The term "Bit" denotes the smallest unit of information in the binary system of notation.

Business Day
The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 A.M. to 5:00 or 6:00 P.M., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Telephone Company may vary based on company policy, union contract and location. To determine such hours for an individual company, or company location, contact the issuing officer at the address shown on Title Page 1.

Busy Hour Minutes of Capacity (BHMC)
The term "Busy Hour Minutes of Capacity (BHMC)" denotes the customer specified maximum amount of Switched Access Service access minutes the customer expects to be handled in an end office switch during any hour in an 8:00 A.M. to 11:00 P.M. period for the Switched Access Arrangement ordered. This customer furnished BHMC quantity is the input data the Telephone Company uses to determine the number of transmission paths or facility requirements for the Switched Access Arrangement ordered.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Call
The term "Call" denotes a customer attempt for which the complete address code (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

Carrier or Common Carrier
See Interexchange Carrier.

CCS
The term "CCS" denotes a hundred call seconds, which is a standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of servers (e.g., trunks).

Central Office
The term "Central Office" denotes a local Telephone Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks.

Central Office Prefix
The term "Central Office Prefix" denotes the first three digits (NXX) of the seven digit telephone number assigned to a customer's Telephone Exchange Service when dialed on a local basis.

Centralized Automatic Reporting on Trunks Testing
The term "Centralized Automatic Reporting on Trunks Testing" denotes a type of testing which includes the capacity for measuring operational and transmission parameters.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Circuit(s)
The term "Circuit(s)" denotes an electrical or photonic, in the case of fiber optic-based transmission systems, communications path between two or more points of termination.

Channel Service Unit
The term "Channel Service Unit" denotes customer premises equipment which performs one or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format error, and remote loop back.

Channelize
The term "Channelize" denotes the process of multiplexing-demultiplexing wider bandwidth or higher speed channels into narrow band-width or lower speed channels.

C-Message Noise
The term "C-Message Noise" denotes the frequency weighted average noise within an idle voice channel. The frequency weighing, called C-message, is used to simulate the frequency characteristic of the 500-type telephone set and the hearing of the average subscriber.

C-Notched Noise

The term "C-Notched Noise" denotes the C-message frequency weighted noise on a voice channel with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Coin Station
The term "Coin Station" denotes a location where Telephone Company equipment is provided in a public or semipublic place where Telephone Company customers can originate telephone communications and pay the applicable charges by inserting coins into the equipment.

Common Channel Signaling System 7 Network (CCS7)
The term "Common Channel Signaling System 7 Network (CCS7)" denotes a dedicated out-of-band signaling network which utilizes Signaling System 7 (SS7) protocol to provide call handling and data base access services.

Common Line
The term "Common Line" denotes a line, trunk, pay telephone line or other facility provided under the general and/or local exchange service tariffs of the Telephone Company, terminated on a central office switch. A common line-residence is a line or trunk provided under the residence regulations of the general and/or local exchange service tariffs. A common line-business is a line provided under the business regulations of the general and/or local exchange service tariffs.

Communications System
The term "Communications System" denotes channels and other facilities which are capable of communications between terminal equipment provided by other than the Telephone Company.

Customer(s)
The term "Customer(s)" denotes any individual, partnership, association, joint-stock company, trust, corporation, or governmental entity or other entity which subscribes to the services offered under this tariff, including both Interexchange Carriers (ICs) and End Users.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Customer Designated Premises

The term "Customer Designated Premises" (CDP) denotes a location specified by the customer for the purpose of terminating services. The Telephone Company must have access to the location to perform installation, testing, and maintenances functions. The customer may or may not have access to the location. CDPs include locations such as customer premises, end user premises, customer repeater stations, customer microwave towers, a Telephone Company's first point of switching, some other point where Telephone Company testing can occur, etc. A CDP may be designated by the customer for Switched Access, Special Access, or both in combination. When a customer orders Special Access to connect to a Telephone Company Switch, that switch is a CDP Where the Special Access Service Terminates**.** Customer transmission facilities and equipment terminated in Telephone Company central offices under EIS arrangements, are not considered a CDP. However, Telephone Company Special Access Services may be interconnected to such customer equipment using a Cross Connect arrangement.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Data Transmission (107 Type) Test Line
The term "Data Transmissions (107 Type) Test Line" denotes an arrangement which provides for a connection to a signal source which provides test signals for one-way testing of data and voice transmission parameters.

Decibel
The term "Decibel" denotes a unit used to express relative differences in power, usually between acoustic or electric signals, equal to ten (10) times the common logarithm of the ratio of two signal powers.

Decibel Reference Noise C-Message Weighting
The term "Decibel Reference Noise C-Message Weighting" denotes noise power measurements with C-Message Weighting in decibels relative to a reference 1000 Hz tone of 90 dB below 1 milliwatt.

Decibel Reference Noise C-Message Referenced to 0
The term "Decibel Reference Noise C-Message Referenced to 0" denotes noise power in "Decibel Reference Noise C-Message Weighting" referred to or measured at a zero transmission level point.

Dual Tone Multifrequency Address Signaling

The term "Dual Tone Multifrequency Address Signaling" denotes a type of signaling that is an optional feature of Switched Access Feature Group A and BSA-A. It may be utilized when Feature Group A or BSA-A is being used in the terminating direction (from the point of termination with the customer to the local exchange and office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the customer in the form of Dual Tone Multifrequency signals.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Echo Control
The term "Echo Control" denotes the control of reflected signals in a telephone transmission path.

Echo Path Loss
The term "Echo Path Loss" denotes the measure of reflected signal at a 4-wire point of interface without regard to the send and receive Transmission Level Point.

Echo Return Loss
The term "Echo Return Loss" denotes a frequency weighted measure of return loss over the middle of the voiceband (approximately 500 to 2500 Hz), where talker echo is most annoying.

Effective 2-Wire
The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

Effective 4-Wire

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Telephone Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the customer's premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two wire interface combines the transmission paths into a single path.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

End Office Switch
The term "End Office Switch" denotes a local Telephone Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks. Included may be Remote Switching Modules and Remote Switching Systems served by a host office in a different wire center.

End User
The term "End User" denotes any customer of interstate or foreign telecommunications service that is not a carrier, except that a carrier shall be deemed to be an "end user" to the extent that such carrier uses a telecommunications service for administrative purposes, without making such service available to others, directly or indirectly.

Entry Switch
See First Point of Switching.

Envelope Delay Distortion
The term "Envelope Delay Distortion" denotes a measure of the linearity of the phase versus frequency of a channel.

Equal Level Echo Path Loss
The term "Equal Level Echo Path Loss" (ELEPL) denotes the measure of Echo Path Loss (EPL) at a 4-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP). [ELEPL = TLP (send) + TLP (receive)]

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Exchange
The term "Exchange" denotes a unit generally smaller than a local access and transport area, established by the Telephone Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within the area. One or more designated exchanges comprise a given local access and transport area.

Exit Message
The term "Exit Message" denotes an SS7 message sent to an end office by the Telephone Company tandem switch to mark the Connect Time when the Telephone Company's tandem switch sends an Initial Address Message to a customer.

Expected Measured Loss
The term "Expected Measured Loss" denotes a calculated loss which specifies the end-to-end 1004-Hz loss on a terminated test connection between two readily accessible manual or remote test points. It is the sum of the inserted connection loss and test access loss including any test pads.

Extended Area Service
The term "Extended Area Service" denotes a telephone exchange service in which a customer in one exchange can call a local number in another exchange that is part of the extended area without paying a toll charge.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Field Identifier
The term "Field Identifier" denotes two to four characters that are used on service orders to convey specific instructions. Field Identifiers may or may not have associated data. Selected Field Identifiers are used in Telephone Company billing systems to generate nonrecurring charges.

First Come - First Served
The term "First Come - First Served" denotes a procedure followed by the Telephone Company to process fully completed Access Orders according to the sequence in which they are received.

First Point of Switching
The term "First Point of Switching" denotes the first Telephone Company location at which switching occurs on the terminating path of a call proceeding from the customer premises to the terminating end office and, at the same time, the last Telephone Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the customer premises.

Frequency Shift
The term "Frequency Shift" denotes the change in the frequency of a tone as it is transmitted over a channel.

Grandfathered
The term "Grandfathered" denotes Terminal Equipment, Multiline Terminating Systems and Protective Circuitry directly connected to the facilities utilized to provide services under the provisions of this tariff, and which are considered grandfathered under Part 68 of the F.C.C.'s Rules and Regulations.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Host Office
The term "Host Office" denotes an electronic switching system which provides call processing capabilities for one or more Remote Switching Modules or Remote Switching Systems.

Immediately Available Funds
The term "Immediately Available Funds" denotes a corporate or personal check drawn on a bank account and funds which are available for use by the receiving party on the same day on which they are received and include U.S. Federal Reserve bank wire transfers, U.S. Federal Reserve notes (paper cash), U.S. coins, U.S. Postal Money Orders and New York Certificates of Deposit.

Impedance Balance
The term "Impedance Balance" denotes the method of expressing Echo Return Loss and Singing Return Loss at a 4-wire interface whereby the gains and/or loss of the 4 wire portion of the transmission path, including the hybrid, are not included in the specification.

Impulse Noise
The term "Impulse Noise" denotes any momentary occurrence of the noise on a channel over a specified level threshold. It is evaluated by counting the number of occurrences which exceed the threshold.

Individual Case Basis
The term "Individual Case Basis" denotes a condition in which the regulations, if applicable, rates and charges for an offering under the provisions of this tariff are developed based on the circumstances in each case.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Initial Address Message (IAM)
The term "Initial Address Message (IAM)" denotes an SS7 message sent in the forward direction to initiate trunk set up with the busying of an outgoing trunk which carries the information about that trunk along with other information relating to the routing and handling of the call to the next switch.

Inserted Connection Loss
The term "Inserted Connection Loss" denotes the 1004 H2 power difference (in dB) between the maximum power available at the originating end and the actual power reaching the terminating end through the inserted connection.

Interexchange Carrier (IC) or Interexchange Common Carrier
The terms "Interexchange Carrier" (IC) or Interexchange Common Carrier" denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in interstate or foreign communications by wire or radio, between two or more exchanges.

Intermodulation Distortion
The term "Intermodulation Distortion" denotes a measure of the nonlinearity of a channel. It is measured using four tones, and evaluating the ratios (in dB) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

Interstate Communications
The term "Interstate Communications" denotes both interstate and foreign communications.

Intrastate Communications
The term "Intrastate Communications" denotes any communications within a state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Line Side Connection
The term "Line Side Connection" denotes a connection of a transmission path to the line side of a local exchange switching system.

Local Access and Transport Area
The term "Local Access and Transport Area" (LATA) denotes a geographic area established by the Telephone Company for the provision and administration of its communications service. It encompasses one or more Telephone Company designated exchanges which are configured in relative proximity to one another and may be reconfigured by the Telephone Company in the normal operation of its business. As used herein, the term LATA refers only to these Telephone Company designated exchanges and does not necessarily have any predetermined association with the term LATA used by other exchange carriers.

Loop Around Test Line
The term "Loop Around Test Line" denotes an arrangement utilizing a Telephone Company central office to provide a means to make certain two-way transmission tests on a manual basis. This arrangement has two central office terminations, each reached by means of separate telephone numbers and does not require any specific customer premises equipment. Equipment subject to this test arrangement is at the discretion of the customer.

Loss Deviation
The term "Loss Deviation" denotes the variation of the actual loss from the designed value.

Message
The term "Message" denotes a "call" as defined preceding.

Milliwatt (102 Type) Test Line
The term "Milliwatt (102 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the customer's premises from the Telephone Company end office.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Network Control Signaling
The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of the telecommunications system.

Nonsynchronous Test Line
The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but can be made more rapidly.

North American Numbering Plan
The term "North American Numbering Plan" denotes a three digit area (Numbering Plan Area) code and a seven-digit telephone number made up of a three-digit Central office code plus a four-digit station number.

Off-hook
The term "off-hook" denotes the active condition of Switched Access or a Telephone Exchange Service Line.

On-hook
The term "On-hook" denotes the idle condition of Switched Access or a Telephone Exchange Service line.

Open Circuit Test Line
The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac circuit termination of a trunk or line by means of an inductor of several Henries.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Originating Direction
The term "Originating Direction" denotes the use of access service for the origination of calls from an End User Premises to an IC Premises.

Pay Telephone
The term "Pay Telephone" denotes Telephone Company provided instruments and related facilities that are available to the general public for public convenience and necessity, including public and semipublic telephones, and coinless telephones.

Phase Jitter
The term "Phase Jitter" denotes the unwanted phase variations of a signal.

Point of Termination
The term "Point of Termination" denotes the point of demarcation at a customer-designated premises at which the Telephone Company's responsibility for the provision of Access Service ends.

Premises
The term "Premises" denotes a building or buildings on continuous property (except Railroad Right-of-Way, etc.) not separated by a public highway.

Release Message
The term "Release Message" denotes an SS7 Message sent in either direction to indicate that a specific circuit is being released.

Remote Switching Modules and/or Remote Switching Systems
The term "Remote Switching Modules and/or Remote Switching Systems" denotes remotely controlled electronic end office switches which obtain their call processing capability from an ESS-type Host Office. The Remote Switching Modules and/or Remote Switching Systems cannot accommodate direct trunks to an IC.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Return Loss
The term "Return Loss" denotes a measure of the similarity between the two impedances at the junction of two transmission paths. The higher the return loss, the higher the similarity.

Registered Equipment
The term "Registered Equipment" denotes the customer's premises equipment which complies with and has been approved within the Registration Provisions of Part 68 of the FCC's Rules and Regulations.

Serving Wire Center
That Telephone Company designated wire center serving the customer's designated premises and used for mileage measurement to determine local transport or circuit mileage charges for Access Service.

Seven Digit Manual Test Line
The term "Seven Digit Manual Test Line" denotes an arrangement which allows the Customer to select balance, milliwatt and synchronous test lines by manually dialing a seven digit number over the associated access connection.

Shortage of Facilities or Equipment
The term "Shortage of Facilities or Equipment" denotes a condition which occurs when the Telephone Company does not have appropriate cable, switching capacity, bridging or, multiplexing equipment, etc., necessary to provide the Access service requested by the customer.

Short Circuit Test Line
The term "Short Circuit Test Line" denotes an arrangement in an end office which provides for an ac short circuit termination of a trunk or line by means of a capacitor of at least four microfarads.

Signaling System 7 (SS7)
The term "Signaling System 7" denotes the layered protocol used for standardized common channel signaling in the United States.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Signal-to-C-Notched Noise Ratio
The Term "Signal-to-C-Notched Noise Ratio" denotes the ratio in dB of a test signal to the corresponding C-Notched Noise.

Singing Return Loss
The term "Singing Return Loss" denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where singing (instability) problems are most likely to occur.

Subtending End Office of an Access Tandem
The term "Subtending End Office of an Access Tandem" denotes an end office that has final trunk group routing through that tandem.

Synchronous Test Line
The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

Terminating Direction
The term "Terminating Direction" denotes the use of Access Service for the completion of calls from an IC premises to an End User Premises.

Transmission Measuring (105 Type) Test Line/Responder

The term "Transmission Measuring (105 Type) Test Line/Responder" denotes an arrangement in an end office which provides far-end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Transmission Path
The term "Transmission Path" denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

Trunk
The term "Trunk" denotes a communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group

The term "Trunk Group" denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

Trunk Side Connection

The term "Trunk Side Connection" denotes the connection of a transmission path to the trunk side of a local exchange switching system.

Two-Wire to Four-Wire Conversion
The term "Two-Wire to Four-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate to a two-wire entity (e.g., a central office switch).

## 2. General Regulations (Cont'd)

### 2.6 Definitions (Cont'd)

Uniform Service Order Code
The term "Uniform Service Order Code" denotes a three or five character alphabetic, numeric, or an alphanumeric code that identifies a specific item of service or equipment. Uniform Service Order Codes are used in the Telephone Company billing system to generate recurring rates and nonrecurring charges.

V&H Coordinates
The term "V and H Coordinates Method" denotes a method of computing airline miles between two points by utilizing an established formula which is based on the vertical and horizontal coordinates of the two points.

WATS Serving Office
The term "WATS Serving Office" denotes a Telephone Company switching office capable of performing the optional screening functions used in Combined Access Service Arrangements.

Wire Center
The term "Wire Center" denotes a building in which one or more central offices, including end office switches, used for the provision of Telephone Exchange Services, are located.

## 3. Carrier Common Line Access Service

### 3.1 General

Carrier Common Line Access Service provides for the use of Telephone Company common lines by customers for access to End Users to furnish customer Intrastate telecommunications service.

### 3.2 Regulations, Rates and Charges

The regulations, rates and charges for Carrier Common Line Access service are the same as those set forth in Section 3 and Section 20 of the Frontier Telephone Companies Tariff FCC No.1, with exceptions listed herein. (C) (C)

### 3.3 Exceptions

The rate for Carrier Common Line Access is:

| | | | |
|---|---|---|---|
| Premium Access, per minute | | | |
| - | Terminating | $0.0 | |
| - | Originating – Non 800/888 | $.0079774 | (C) |
| Non Premium Access, per minute | | | |
| - | Terminating | $0.0 | |
| - | Originating – Non 800/888 | $.0035898 | (C) |

**4. (Reserved for future use.)**

## 5. Ordering Switched and Special Access Service

This section sets forth the regulations and order related charges for Access Orders for Switched and Special Access Services. These Charges are in addition to other applicable charges as set forth in other sections of this tariff.

### 5.1 Access Service Request Requirements

An Access Service Request (ASR) is used by the Telephone Company to provide the customer with Switched Access Service as set forth in 6 following, and Special Access Service as set forth in Section 7 following.

When placing an order for Access Services, the customer must complete a Telephone Company Access Service Request and shall provide the information as required in 5.1.1, 5.1.2, and 5.1.3 following.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.1 General

A customer may order any number of services of the same type and between the same premises on a single Access Service Request. All details for services for a particular order must be identical except for those for multipoint service.

A customer may order access service on behalf of the customer's end user. The customer must provide the Telephone Company all the necessary information as set forth in this section.

The customer shall provide all information necessary for the Telephone Company to provide and bill for the requested service. In addition to the order information required in 5.1.2 and 5.1.3 following, the customer must also provide:

- Customer name and premises address(es)

- Billing name and address (when different from customer name and address).

- Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.2 Switched Access Ordering Requirements

Switched Access Service may be ordered by the customer on the basis of line-side or trunk - side access connections at Telephone Company locations. Trunk side ordering regulations are in 5.1.2(A). Line side ordering regulations are in 5.1.2(B).

(A) Trunk Side Access Services

FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 800, 888, 877 and 900 Access services are provided by the Telephone Company via trunk side connections. Trunk side services may be ordered at the option of the customer, in BHMCs or in trunk quantities. 900 Access Service Trunks are provided only at Telephone Company designated switches capable of performing the customer identification function for 900 service. All 900 NXX code assignments and administration shall be in accordance with the North American Numbering Plan (NANP). 800/888/877 Access Service Trunks are offered only in conjunction with the 800/888/877 customer identification function as described in 6.2.10(A)(1) and in conjunction with 800/888/877 Data Base Query Service as described in 6.2.10(D). Customers may request 800/888/877 access connections to suitably equipped end offices and access tandem offices. A list of those offices will be provided upon request. All 800/888/877 number assignments shall be administered by the Number Administration Service Center (NASC) through the Service Management System (SMS). When direct routing of 800, 888, 877 and 900 Access Service traffic via 800, 888, 877 or 900 Access Service trunks is desired, or when the customer's 800, 888, 877 or 900 Access Service traffic is combined in the same trunk group arrangement with the customer's FGC, FGD, BSA-C or BSA-D traffic, the customer must complete an Access Service Request as in (1) or (2) following.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.2 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Side Access Services (Cont'd)

(1) Trunk Ordering

Customers may order FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 800, 888, 877 or 900 Access Services by specifying the number of trunks desired between their premises and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Local Transport and Local Switching Options desired. When ordering by trunk quantities rather than BHMC quantities to an access tandem, the customer must also provide to the Telephone Company a Traffic Distribution Request specifying an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements. The major traffic types and directionality must also be specified to enable efficient provisioning and billing functions.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.2 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Side Access Services (Cont'd)

(1) Trunk Ordering (Cont'd)

There are two major traffic types identified as Originating and Terminating traffic. Because some customers will wish to further segregate their originating traffic into separate trunk groups, originating traffic may be further categorized into Domestic, 800, 888, 877, 900, Operator and IDDD.

When a customer orders FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 800, 888, 877 or 900 Access Service in trunks, the customer is responsible to assure that sufficient access facilities have been ordered to handle this traffic.

(2) BHMC Ordering

Customers may order FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 800, 888, 877 or 900 Access Switched Access Service by specifying the number of busy hour minutes of capacity (BHMC) from the customer's premises to the end office by Switched Access arrangement and by type of BHMC. This information is used to determine the number of transmission paths as in 6.5.5. The customer then specifies the Local Transport and Local Switching options desired, and for FGB and BSA-B the manner in which intrastate communications shall be completed.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.2 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Side Access Services (Cont'd)

(2) BHMC Ordering (Cont'd)

The BHMC may be determined by the customer in the following manner. For each day (8 am to 11 pm, Monday through Friday, excluding national holidays), the customer shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 am hour). The customer shall, for the same hour period (i.e., busy hour) for each of twenty consecutive business days, pick the twenty consecutive business days in a calendar year which add up to the largest number of minutes of use. Both originating and terminating minutes shall be included. The customer shall then determine the average busy hour minutes of capacity (i.e., BHMC) by dividing the largest number of minutes of use figure for the same hour period for the consecutive twenty business day period by 20. This computation shall be performed for each end office the customer wishes to serve. These determinations thus establish the forecasted BHMC for each end office.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.2 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Side Access Services (Cont'd)

(2) BHMC Ordering (Cont'd)

BHMCs are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic among BHMC types is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer. There are two major BHMC categories identified as Originating and Terminating. Because some customers will wish to further segregate their originating traffic into separate trunk groups, originating BHMCs are further categorized into Domestic, 800, 888, 877, 900, Operator and IDDD.

(3) 900 NXX Code Activation/Deactivation

900 Access Service NXX Code Activation or Deactivation shall be ordered by the customer for an entire Telephone Company serving area, state within a service area, or LATA associated with a Telephone Company serving area. The customer must specify in its Access Service Request, the 900 NXX codes to be activated or deactivated and the service area desired. The Telephone Company will activate or deactivate the requested NXX codes in all Telephone Company switches which perform the customer identification function for 900 Access Service within the Service area ordered by the customer. Telephone Company serving areas are set forth on Title Page 2 and 2.1.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.2 Switched Access Ordering Requirements (Cont'd)

(A) Trunk Side Access Services (Cont'd)

(3) 900 NXX Code Activation/Deactivation (Cont'd)

When a customer's 900 Access Service traffic originates from a Telephone Company end office which is not capable of performing the customer identification function the customer may be required, upon reasonable notice, to provide the Telephone Company an estimate of the amount of traffic it will generate from the end office to assist the Telephone Company in its own efforts to project future facility requirements.

For additions and/or deletions of 900 Access Service NXX(s) subsequent to the initial order for service, the customer shall place an Access Service Request for such additions and/or deletions at least 30 days prior to the effective date of the change in order to allow the Telephone Company sufficient time to implement the change. Calls originating in Telephone Company jurisdictions to NXXs which the customer has not ordered activated will be blocked in those end offices or access tandems which possess the technical capabilities to block such calls.

(4) When ordering FGD or BSA-D Switched Access with 950-XXXX Access as described in 6.3.2(AB), the customer shall provide an ASR specifying which 950-XXXX access code(s) are to be routed and the FGD or BSA-D Switched Access Service over which the resulting originating 950-XXXX access code calls are to be routed.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.2 Switched Access Ordering Requirements (Cont'd)

(B) Line Side Access Services

FGA and BSA-A Access service is provided by the Telephone Company via line-side connections. All customers shall provide the ordering requirements as follows:

For FGA and BSA-A Switched Access Service, the customer shall specify the number of lines and the first point of switching (i.e., dial tone office), the Local Transport options and Local Switching options desired, and the manner is which intrastate communications shall be completed. In addition, the customer shall also specify which lines are to be arranged in multiline hunt group arrangements and which lines are to be provided as single lines.

When FGA or BSA-A is ordered the customer shall specify whether or not the terminating traffic is to be restricted to the FGA or BSA-A Access Area (local exchange calling area) as in 6.2.1(A)(7) or allowed to extend beyond the FGA or BSA-A Access area but within the LATA. When FGA or BSA-A traffic is terminated beyond the Access Area but remains within the LATA, the rates for Switched Access in 6.5.8, will apply.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.3 Special Access Services

When placing an order for Special Access Services, the customer must provide the requirements as follows:

For all Special Access Services, the customer must specify the customer designated premises or Hubs involved, the type of service, (e.g., Voice Grade, High Capacity, etc.) the channel interface, technical specification package and options desired. For multipoint services, the channel interface at each premises may, at the request of the customer, be different but all such interfaces shall be compatible.

Where the Special Access Service is exempt from the Special Access Surcharge, the customer shall furnish with the Access Service Request the certification as in Section 7.2.1(E) following. Exemption certifications may be provided in writing or by use of an Access Service Request.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.4 Combined Access Service Arrangements

The Combined Access Service Arrangement optional feature, in 6.3.2(T), is ordered by a customer in the provision of that customer's intrastate communications service (e.g., WATS, 800, 888, 877 or WATS-type services) to end users. Orders for the Combined Access Service Arrangement must specify the required information as set forth preceding for the appropriate Switched Access Service Feature Group or BSA and Voice Grade Special Access Service. The customer must also specify the Combined Access Service Arrangement optional features, if any, the directionality of the service to be provided (i.e., originating, terminating, or two-way) and the type of Supervisory Signaling.

If the wire center that serves the customer's end user premises is not capable of providing the necessary functions to combine Switched and Special Access Services as requested by the customer or is not a WATS Serving Office (WSO) the Telephone Company will configure the Special Access portion of the service to the nearest wire center where the necessary functions exist.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.5 Equal Access Conversions

When an office is scheduled to be converted to equal access, the IC must submit an Access Service Request for FGD or BSA-D service no later than 120 days prior to the end office equal access conversion date in order for the IC to participate in the presubscription process as described in 8.5. ICs wishing to participate in pay telephone balloting must specify if the carrier will handle 0+ traffic only, both 0+ and 1+ traffic, or 0+ with 1+ traffic being handled by a secondary service provider. When 1+ coin traffic is handled by a secondary service provider, the participating IC must identify the secondary service provider.

Customers may request existing FGA, FGB, BSA-A or BSA-B services be converted to FGD or BSA-D upon the conversion of an office to equal access. Changes in Feature Group or BSA types are provided in 6.5.4(E).

(A) Feature Group D and BSA-D Facilities Shortages

In the event a shortage of FGD or BSA-D resources exists, the Telephone Company will make every reasonable effort to meet all Access Service Requests as of the equal access conversion date. In the event these efforts are unsuccessful, the Telephone Company will notify all ICs requesting FGD or BSA-D service that a shortage of facilities exist and allocation of available facilities among participating ICs is necessary.

The available resources are determined by the Telephone Company and represent the equipment and facility quantities necessary to provide FGD or BSA-D service, excluding intraLATA FGC or BSA-C and interLATA FGC or BSA-C terminating resources currently in service. If the interLATA FGC or BSA-C trunks are arranged to carry two-way traffic, one half will be considered available resources.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.5 Equal Access Conversions (Cont'd)

(A) Feature Group D and BSA-D Facilities Shortages (Cont'd)

FGD and BSA-D resources are allocated to each IC based on the percent of end users that are presubscribed to that IC as counted 30 days prior to the conversion date. For example, if 10% of end users in an end office scheduled to be converted to equal access are presubscribed to a particular IC, 10% of the total available FGD or BSA-D services will be allocated to that IC.

The quantity of resources in service for each IC as determined by the allocation process will be adjusted on the basis of actual usage and blocking measurements. Actual usage adjustments will be made 90 days after conversion to equal access. If necessary, this reallocation process will continue at three month intervals until all initial service requests have been met.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.6 Provision of Other Services

(A) Testing Service, Additional Labor, Restoration Priority and Special Facilities Routing shall be ordered with an Access Service Request or as set forth in (B) following. The rates and charges for these services, as set forth in other sections of this tariff, will apply in addition to the ordering charges set forth in this section and the rates and charges for the Access Service with which they are associated.

(B) Where possible, the Telephone Company will allow the services listed preceding to be subsequently be added to an Access Service Request at any time, up to and including the service date for the Access Service. When added subsequently, charges for a design change as set forth in 5.3.1(C) following will apply when an engineering review is required.

(C) Additional Engineering is not an ordering option, but will be applied to an Access Service Request when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering conditions and charges are as set forth in 8.1 following and are in addition to the regulations, rates and charges specified in this section.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.7 Access Order Service Date Intervals

Access Service is provided with Service Date Intervals. The Service Date Interval is that period of time which the Telephone Company requires to properly provision the service and begins when the customer submits a completed Access Service Request for service, as set forth in 5.1 preceding. The Telephone Company shall publish and make available to all customers, upon reasonable request, a schedule of Service Date Intervals applicable for Switched and Special Access Services. The schedule shall specify the services and the quantities of services that can be provided in the Service Date Intervals. Service Date Interval schedules are provided during regular business days at Telephone Company offices at which the customer places an order for Access Service.

Access Services provided in a Service Date Interval will be installed during Telephone Company business days. If a customer requests that installation be done outside of scheduled work hours, and the Telephone Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in 8.2. following.

#### 5.1.8 Selection of Facilities For Access Order

When there are analog or digital high capacity facilities to a Hub on order or in service for the customer's use, the customer may request a specific channel or transmission path be used to provide the Switched or Special Access Service requested in an Access Service Request. The Telephone Company will make a reasonable effort to accommodate the customer request.

For all other Access Service Requests, the option to request a specific transmission path or channel is not provided except as provided for under Special Facilities Routing as set forth in 11. following.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.1 Access Service Request Requirements (Cont'd)

#### 5.1.9 Shared Use Facilities

Shared Use (i.e., Switched and Special Access Services provided over the same analog or digital high capacity facilities) is allowed. Shared use facilities to a Hub will be ordered and provided as Special Access Service. While shared use is allowed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Service. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

### 5.2 Access Services Provided by More than One Telephone Company

The Telephone Company will provide Access Services under this tariff where more than one Telephone Company is involved in the provision of Access Service in (A), (B) or (C) following. The Single Company Billing arrangement in (A) following will be used for FGA and BSA-A switched access services except where interconnection arrangements between the telephone companies involved permit the use of the Multiple Company Billing arrangement in (B) following. The Telephone Company will notify the customer of the billing arrangement when the customer orders FGA or BSA-A service. The Multiple Company Billing arrangement, in (B) following, will be used for all FGB, FGC, FGD, BSA-B, BSA-C, BSA-D, 800, 888, 877 Access and 900 Access Services and Special Access Services.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.2 Access Services Provided by More than One Telephone Company (Cont'd)

(A) Single Company Billing

For FGA and BSA-A Switched Access Service the customer shall submit an ASR to the Telephone Company in whose territory the dial tone office is located. The Telephone Company receiving the order from the customer will arrange to provide the service and bill the customer as in 2.4.7(A).

For services ordered as set forth preceding, the customer shall provide a copy of the ASR containing all information as required in 5.1 to any other Telephone Company involved in providing the service.

(B) Multiple Company Billing

For all Switched and Special Access Services, the customer shall submit an ASR to each Telephone Company involved in providing the service.

Each Telephone Company will provide the appropriate access service elements within its operating territory to a physical point of interconnection with the other involved Telephone Company(ies). The physical point of interconnection is the location where one Telephone Company's facilities connect with another Telephone Company's facilities.

Each Telephone Company that receives an order will bill the customer for the appropriate access service elements provided by each respective Telephone Company as in 2.4.7.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.2 Access Services Provided by More than One Telephone Company (Cont'd)

(C) EAS Arrangements

Where a customer utilizes FGA or BSA-A to originate and/or terminate calls within an Extended Area Service (EAS) calling area provided by more than one telephone company, as set forth in 2.4.7(C) preceding, the customer shall submit an ASR for FGA or BSA-A service in the manner set forth in (A) preceding. The customer shall also provide a copy of the ASR to any other Telephone Company involved in providing the service within the EAS calling area.

### 5.3 Access Order Charges

#### 5.3.1 Access Service Request Modifications

The customer may request a modification of its Access Service Request prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Access Service Request modification, the Telephone Company will schedule a new service date. All charges for Access Service Request modifications will apply on a per occurrence basis.

Any increase in the number of Special Access Service circuits or Switched Access Service lines, trunks or busy hour minutes of capacity will be treated as a new Access Service Request (for the increased amount only).

If order modifications are necessary to satisfy the transmission performance for a Special Access Service ordered by a customer, these changes will be made without order modification charges being incurred by the customer.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.3 Access Order Charges (Cont'd)

#### 5.3.1 Access Service Request Modifications (Cont'd)

(A) Service Date Change Charge

Access Order service dates may be changed, but the new service date may not exceed the original service date by more than 30 calendar days. If the customer is unable to accept the service on the established service date and/or the customer requested service date is more than 30 calendar days after the original service date, the customer will have the option of (a) or (b) following:

(a) The original order will be cancelled by the Telephone Company, and reissued with appropriate cancellation charges applied, or

(b) the billing will commence for the services ordered on the original ASR.

If the Telephone Company determines it can accommodate the customer's request without delaying service dates for orders of other customers, a new service date may be established that is prior to the original standard or negotiated interval service date.

If the service date is changed to an earlier date, and the Telephone Company determines additional labor or extraordinary costs are necessary to meet the earlier service date requested by the customer, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in (D) following apply. Such charges will apply in addition to the Service Date Change Charge.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.3 Access Order Charges (Cont'd)

#### 5.3.1 Access Service Request Modifications (Cont'd)

(A) Service Date Change Charge (Cont'd)

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed after the Plant Test Date of the ASR. The applicable charge is:

| | USOC | CHARGE |
|---|---|---|
| Service Date Change Charge, per order | OMC | $26.21 |

(B) Partial Cancellation Charge

Any decrease in the number of ordered Special Access Service Circuits or Switched Access Service lines, trunks or busy hour minutes of capacity will be treated as a partial cancellation and the charges as set forth in 5.3.2(C) following will apply.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.3 Access Order Charges (Cont'd)

#### 5.3.1 Access Service Request Modifications (Cont'd)

(C) Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to an Access Service Request which requires engineering review. An engineering review is a review by Telephone Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design changes do not include a change of customer premises, end user premises, end office switch, Feature Group or BSA type or Special Access Service circuit type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Telephone Company will review the requested change, notify the customer whether the change is a design change, if it can be accommodated and if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply. The Design Change Charge will apply on a per order per occurrence basis, for each order requiring a design change. The applicable charge is:

| | USOC | Rate |
|---|---|---|
| Design Change Charge, per order | H28 | $26.21 |

If a change of service date is required, the Service Date Change Charge as in (A) preceding will also apply.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.3 Access Order Charges (Cont'd)

#### 5.3.1 Access Service Request Modification (Cont'd)

(D) Expedited Order Charge

1. When placing an Access Service Request a customer may request a service date that is prior to the Telephone Company's published service date interval. A customer may also request an earlier service date on a pending Access Service Request. If the Telephone Company determines that service can be provided on the requested date. A customer may also request an earlier service date on a pending Access Order. If the Telephone Company determines that service can be provided on the requested date, an Expedited Order Charge will apply. (N)

   A customer may request a change of end user premises within the same serving wire center. When this occurs, the service date is changed to reflect the standard service date interval. If the customer requests an earlier service date, an Expedited Order Change will apply.

   When an expedited service date is missed, the Expedited Order Charge will apply unless the missed service date is caused by the Telephone Company.

   The Expedited Order Charge will apply to all services found in the tariff unless otherwise specified. This charge will be applied when the customer requests a service date that is prior to the standard service date interval on an Access Order, or when a customer requests an earlier service date on a pending Access Order. - (N)

   Service Date Change Charge as set forth in (A) preceding also applies.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.3 Access Order Charges (Cont'd)

#### 5.3.1 Access Service Request Modification (Cont'd)

(D) Expedited Order Charge (Cont'd)

1. (Cont'd)

The Expedited Order Charge, as set forth below, will apply on a per order basis for each day the service date is advanced

Expedited Order Charge
per order, per day advanced $300.00

2. When the request for expediting occurs subsequent to the issuance of the Access Service Request, a Service Date Change Charge as set forth in (A) preceding also applies and are in addition to the Expedited Order Charge calculated in (1) preceding and that additional labor cost or extraordinary costs are required to meet the requested service date, the customer will be notified and will be provided with an estimate of the additional charges involved. Actual charges assessed may not exceed the estimate by more than 10%. Such additional charges will be determined and billed to the customer as follows:

To calculate the additional labor charges, the Telephone Company will, upon authorization from the customer to incur the additional labor charges, keep track of the additional labor hours used to meet the request of the customer and will bill the customer at the applicable Additional Labor charges as set forth in 8.2. following and are in addition to the Expedited Order Charge calculated in (1) preceding.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.3 Access Order Charges (Cont'd)

#### 5.3.1 Access Service Request Modification (Cont'd)

(D) Expedited Order Charge (Cont'd)

2. (Cont'd)

To develop, determine and bill the customer the extraordinary costs which may be involved, the special construction terms and conditions as set forth in the Telephone Company's Interstate Access tariff will be used by the Telephone Company. Authorization to incur the costs and to bill the customer will be in accordance with the terms and conditions of the Telephone Company's Interstate Access tariff.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.3 Access Order Charges (Cont'd)

#### 5.3.2 Cancellation of an Access Service Request

A customer may cancel an Access Service Request on any date after receipt of the Access Service Request by the Telephone Company and prior to the installation of service. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the Access Service Request order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days. If written confirmation of the cancellation is not received by the Telephone Company, the verbal notice will not be considered a valid cancellation notice. When a customer cancels an Access Service Request for the discontinuance of service, no charges apply for the cancellation.

(A) Delay of Service Date by Customer

If a customer or a customer's end user is unable to accept Access Service within 30 calendar days after the original service date, the customer has the choice of the following options:

- The Access Service Request shall be cancelled and charges set forth in (C) following will apply, or

- Billing for the service will commence.

In such instances, the cancellation date or the billing date, depending on which option is selected by the customer, shall be the 31st day beyond the original service date of the Access Service Request.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.3 Access Order Charges (Cont'd)

#### 5.3.2 Cancellation of an Access Service Request (Cont'd)

(B) Delay of Service Date by Telephone Company

If the Telephone Company misses a service date by more than 30 days due to circumstances over which it has direct control (excluding, e.g., Acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Service Request without incurring cancellation charges.

(C) Cancellation Charge

When a customer cancels an Access Service Request and the Telephone Company incurs any costs associated with the processing of the Access Service Request or installation prior to the cancellation date, the Cancellation Charge specified in (1) or (2) following, whichever is lower, shall apply.

(1) The charge for the minimum period of Switched or Special Access Service as set forth in 5.3.3 following.

(2) A charge equal to the costs incurred in such installation, less estimated net salvage, and/or a charge equal to the costs incurred in such order processing. These charges include the nonrecoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs.

Installation and Order costs of Switched or Special Access Service facilities are considered to have started when the Telephone incurs any costs associated with such installation or order processing.

## 5. Ordering Switched and Special Access Service (Cont'd)

### 5.3 Access Order Charges (Cont'd)

#### 5.3.3 Minimum Period Charges

(A) When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A disconnect constitutes facilities being returned to available inventory.

For purposes of applying minimum period charges, the disconnect date shall be two business days after the date the Telephone Company receives written notification from the customer or the date the customer requests service be disconnected, whichever is the later date.

(B) The Minimum Period Charge for monthly billed services will be determined as follows:

For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable minimum monthly charge for the capacity as set forth in 6.5.7 following.

For Special Access Service, the charge for a month or fraction thereof is the applicable monthly rates for the service as set forth in Section 7.2.3 following.

The Minimum Period Charge for part-time Television and Program Audio Services is the applicable daily rate for the service as set forth in Section 7.2.3 following.

6. SWITCHED ACCESS

6.1 General

The Telephone Company adopts, for intrastate services, Section 6 and the associated rates in Section 20 Frontier Telephone Companies Tariff FCC No. 1 (the Telephone Company's interstate access tariff) effective as of July 1, 2012, and any successive issues thereto. This tariff was filed with the FCC on behalf of the Telephone Company and affiliated companies.

This tariff includes all the rules, regulations, rates and charges under which interstate access services will be offered. Exceptions to this adoption of the tariff schedules, if any, are as follows:

6.2 Language Exceptions:

(None)

6.3 Rate Exceptions:

| Local Switching Service | Originating | Terminating | |
|---|---|---|---|
| Local Switching (LS1) Prem – Non 800/888 | $0.01956700 | * | (C) |
| Local Switching (LS2) Prem – Non 800/888 | $0.01956700 | * | (C) |
| Transitional (LS) Nprem – Non 800/888 | $0.01956700 | * | (C) |
| | | | |
| Interconnection Service Category | | | |
| Transitional Interconnect Charge – Non 800/888 | $0.00578580 | * | (C) |

(D)

*See Frontier Telephone Companies Tariff FCC No. 1 for Rates. (C)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

6. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

## 7. Special Access Service

All terms, conditions, and references in this Section pertain to InterLATA and IntraLATA Special Access Service.

The Special Access Service rates and changes in this Section are applicable to all Citizens Minnesota exchanges with the exception of:

Adams
Alden
Bigelow
Kiester
Leroy
Lyle

Rates and charges for the exchanges listed above are found in Section 12.

## 7. Special Access Service (Cont'd)

### 7.1 Provision of Special Access Service

Special Access Service provides a dedicated transmission path to connect customer designated premises*, either directly or through a Telephone Company hub where bridging or multiplexing functions are performed. Special Access Service may also be combined with Switched Access Services in the provision of a customer's interstate communications service (WATS, 800 or WATS-type Services). Special Access Service includes all exchange access not utilizing Telephone Company central office switches.

Certain Special Access Services listed in this section of the tariff may not be currently offered in all Telephone Company locations but may be provided upon customer request, on an individual case basis, if facilities can be made available with reasonable effort. The Telephone Company will work cooperatively with the Customer to provide the service on a timely basis.

#### 7.1.1 Circuit Types

There are nine types of circuits used to provide Special Access Services:

- Metallic (MT)
- Telegraph Grade (TG)
- Voice Grade (VG)
- Program Audio (AP)
- Video (TV)
- Wideband Analog (WA)
- Wideband Data (WD)
- Digital Data (DA)
- High Capacity (HC)

These circuits can be either analog or digital. Analog circuits are differentiated by frequency spectrum and bandwidth. Digital connections are differentiated by bit rate.

* Telephone Company Centrex CO-like switches are considered to be customer premises for purposes of this tariff.

## 7. Special Access Service (Cont'd)

### 7.1 Provision of Special Access Service (Cont'd)

#### 7.1.1 Circuit Types (Cont'd)

Each of the nine circuits has its own characteristics. All of the circuit types are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

The circuit descriptions set forth in this section specify the characteristics of the basic circuit and indicates whether the circuit is provided between customer designated premises or between a customer designated premises and a Telephone Company hub where bridging or multiplexing functions are performed.

Customers can order a basic circuit and select from a list of available technical specifications packages (customized or predefined), channel interfaces, and optional features to design a circuit which meets the Customer's specific communications needs. For purposes of ordering circuits, each has been identified as a type of Special Access circuit. However, such identification is not intended to limit a customer's use of the circuit, nor to imply that a circuit is limited to a particular use.

The optional features and functions available with each type of basic circuit are included in the individual service description sections following. The optional features and functions information also indicates with which technical specifications packages they are available.

When a customized circuit is ordered, the Telephone Company may determine that Additional Engineering is required to meet the customer's request for service. The customer will be notified whether Additional Engineering charges apply and will be given an estimate of the hours to be billed before any further action is taken on the order. Additional engineering charges are determined as set forth in Section 8.1 following.

**7. Special Access Service (Cont'd)**

**7.1 Provision of Special Access Service (Cont'd)**

**7.1.2 Service Configurations**

There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed. A Voice Grade Special Access Circuit may be provided as a two-point service connecting an end user premise and a Telephone Company switch when Special Access is used in conjunction with Switched Access as set forth in Section 6.3.2(R). All types of Special Access Service may be provided as two-point service.

The following diagram depicts an example of a two-point Voice Grade service connecting two customer designated premises located 15 miles apart. The service is provided with the optional feature of C-Type conditioning.

CT - Circuit Termination
CM - Circuit Mileage
SWC - Serving Wire Center

Applicable rate elements are:

- Circuit Termination (2 applicable)
- Circuit Mileage (fixed rate plus rate per airline mile between SWC)
- C-Type Conditioning Optional Feature

In addition, a Special Access Surcharge, Message Station Equipment Recovery Charge, and charges for additional Optional Features and Functions may apply.

**7. Special Access Service (Cont'd)**

**7.1 Provision of Special Access Service (Cont'd)**

**7.1.2 Service Configurations (Cont'd)**

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company hub (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions for the appropriate circuit.

The circuit between hubs on a multipoint service is a mid-link. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of multi-point facilities.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.3, will be provided when technically possible.

When ordering, the customer will specify the desired bridging hub(s). National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

## 7. Special Access Service (Cont'd)

### 7.1 Provision of Special Access Service (Cont'd)

#### 7.1.2 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

The following diagram depicts an example of a Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs.

CT - Circuit Termination
CM - Circuit Mileage
B - Bridging
SWC - Serving Wire Center

Applicable rate elements are:

- Circuit Termination (4 applicable)
- Circuit Mileage (5 sections-fixed rate plus rate per mile between SWC)
- Bridging Optional Features (6 applicable, i.e., each bridge port)

In addition, the Special Access Surcharge, Message Station Equipment Recovery Charge, and charges for other Optional Features and Functions may be applicable.

## 7. Special Access Service (Cont'd)

### 7.1 Provision of Special Access Service (Cont'd)

#### 7.1.3 Technical Specifications Packages

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is included in each individual service description section in 7.3 through 7.10 following, in a matrix format with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service.

The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

## 7. Special Access Service (Cont'd)

### 7.1 Provision of Special Access Service (Cont'd)

#### 7.1.3 Technical Specifications Packages (Cont'd)

All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

| | | |
|---|---|---|
| Metallic | PUB | TR-NPL-000336 |
| Telegraph Grade | PUB | TR-NPL-000336 |
| Voice Grade | PUB | TR-NPL-000335 |
| | PUB | 41004, Table 4 |
| Program Audio | PUB | 62503 and associated Addendum Video |
| | PUB | TR-NPL-000338 |
| Wideband Analog | PUB | 62505 and associated Addendum |
| Wideband Data | PUB | 62506 |
| Digital Data | PUB | 62507 |
| | PUB | 62310 |
| High Capacity | PUB | 62508 |
| | | 62411 |

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this tariff.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

## 7. Special Access Service (Cont'd)

### 7.1 Provision of Special Access Service (Cont'd)

#### 7.1.4 Channel Interfaces

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in Section 9 following.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in 7.1.3 preceding. When a customized circuit is requested, all channel interface combinations available with the specified type of service are available with the customized circuit.

#### 7.1.5 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12 following. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Circuit Terminations, Circuit Mileage [as applicable] and Optional Features and Functions [if any].

## 7. Special Access Service (Cont'd)

### 7.1 Provision of Special Access Service (Cont'd)

#### 7.1.6 Special Facilities Routing

A customer may request that the Special Access used be specially routed. The regulations, rates and charges for Special Facilities Routing are as set forth in Section 11 following.

#### 7.1.7 Design Layout Report

At the customer request, the Telephone Company will provide the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. The information will be provided to the customer at no charge in the form of a Design Layout Report and will be reissued or updated whenever the described facilities are materially changed.

#### 7.1.8 Acceptance Testing

At the customer's request, the Telephone Company will cooperatively test, at the time of installation and at no additional charge, the following parameters:

(A) For Voice Grade analog services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise as applicable according to the order for service. Voice Grade services acceptance testing will also include a balance (improved loss) test if the customer has ordered that optional feature.

## 7. Special Access Service (Cont'd)

### 7.1 Provision of Special Access Service (Cont'd)

#### 7.1.8 Acceptance Testing (Cont'd)

(B) For services other than Voice Grade, acceptance tests will include tests for the parameters applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing and Nonscheduled Testing, as described in Section 8.4 following, are available at the customer's request. All test results will be made available to the customer upon request.

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access.

#### 7.2.1 Rate Categories

The following rate categories apply to Special Access Service:

- Circuit Terminations
- Circuit Mileage
- Optional Features and Functions
- Non Recurring Charges
- Special Access Surcharge
- Message Station Equipment Recovery Charge

These rate categories are described in Sections 7.2.1.(A) through (F) following.

The following is the Telephone Company's Open Network Architecture (ONA) Special Access Basic Serving Arrangement which provides a cross-reference to the generic ONA product name.

| Generic Name | Telephone Company Name |
|---|---|
| Dedicated Alert Transport | Alarm Signal Transport Service |

The following is a list of the Telephone Company's Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

| Generic Name | Telephone Company Name |
|---|---|
| Automatic Protection Switching | Automatic Loop Transfer |
| Bridging | Bridging |
| Conditioning | Conditioning |
| Multiplexing - Digital 2000 | Multiplexing Arrangements |

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.1 Rate Categories (Cont'd)

(A) Circuit Termination

The Circuit Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Circuit Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (C) following. One Circuit Termination charge applies per customer designated premises at which the circuit is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company building.

For the avoidance of any doubt when a customer orders Special Access Service to a Telephone Company Switch, that switch is a customer designated premise (CDP) where the Special Access terminates. (N)

(B) Circuit Mileage

The Circuit Mileage rate category provides for the end office equipment and transmission facilities between serving wire centers and/or Telephone Company hubs. In addition, when Special Access is used in conjunction with Switched Access Service as in Section 6.3.2(T), and the end office serving the customer's end user premises is not capable of combining Switched and Special Access or is not a WATS Serving Office, Circuit Mileage is used to extend the Special Access Circuit to a WATS Serving Office or office capable of combining Switched and Special Access Services. The Circuit Mileage charge is composed of a flat monthly charge plus a rate per mile.

**7. Special Access Service (Cont'd)**

**7.2 Rate Categories, Applications and Regulations (Cont'd)**

**7.2.1 Rate Categories (Cont'd)**

(B) Circuit Mileage (Cont'd)

(1) Fixed Rate

The fixed rate component of Circuit Mileage is applied only once per Circuit Mileage facility and is not applied when two or more customer designated premises are served by a common serving wire center (i.e., mileage is zero). When Special Access is used in conjunction with Switched Access where the customer's end user premises for the Special Access facility is served by a Telephone Company office capable of combining Switching and Special Access Service, or a WATS Serving Office, the fixed rate does not apply.

(2) Per Mile Rate

The mileage to be used to determine the monthly rate for the per mile portion of Circuit Mileage is calculated on the airline distance between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub, between two Telephone Company hubs, or between a Telephone Company end office and a WATS serving office, or Telephone Company office capable of combining Switched and Special Access Services. The serving wire center associated with a customer designated

**7. Special Access Service (Cont'd)**

**7.2 Rate Categories, Applications and Regulations (Cont'd)**

**7.2.1 Rate Categories (Cont'd)**

(B) Circuit Mileage (Cont'd)

(2) Per Mile Rate (Cont'd)

premises is the serving wire center from which this customer designated premises would normally receive dial tone. The methodology for mileage calculation and serving wire center V&H coordinates are specified in National Exchange Carrier Association Tariff FCC. No. 4. Where the calculated miles include a fraction, the value is always rounded up the next full mile.

When hubs are involved, mileage is computed and rates applied separately for each section of the Circuit Mileage, i.e., customer designated premises serving wire center to hub, hub to hub and/or hub to customer designated premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

When more than one Telephone Company is involved in the provision of Special Access Service, the mileage for the per mile component of Circuit Mileage for each Telephone Company is calculated as set forth in Section 2.4.7.

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.1 Rate Categories (Cont'd)

(C) Optional Features and Functions

Optional Features and Functions may be added to a basic circuit service to improve its quality or utility to meet the customer's specific communications requirements. These optional features and functions are identifiable with specific equipment, and represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for a single rate element.

Descriptions for each of the available Optional Features and Functions are set forth in Sections 7.3 through 7.11 following. Specific rate applications for multiplexing are set forth in 7.2.5 following.

(D) Nonrecurring Charge

Nonrecurring charges are one-time charges that apply for installation of Special Access Services, installation of optional features and functions, and moves and service rearrangements.

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are applied per Circuit Termination.

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.1 Rate Categories (Cont'd)

(D) Nonrecurring Charge (Cont'd)

(2) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

The optional features for which non-recurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Telephoto Capability
- Program Audio Gain Conditioning
- Program Audio Stereo
- Wideband Data Transfer Arrangement

**7. Special Access Service (Cont'd)**

**7.2 Rate Categories, Applications and Regulations (Cont'd)**

**7.2.1 Rate Categories (Cont'd)**

(D) Nonrecurring Charge (Cont'd)

(3) Moves

A move involves a change in the physical location of either the customer's premises or a point of termination at the customer's premises. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

(a) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements.

(b) Moves to a Different Building

Moves to a different building will be treated as a discontinuance and a start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

**7. Special Access Service (Cont'd)**

**7.2 Rate Categories, Applications and Regulations (Cont'd)**

**7.2.1 Rate Categories (Cont'd)**

(D) Nonrecurring Charge (Cont'd)

(4) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, or that involve actual physical change to the service. Changes to pending orders are set forth in Section 5.3.1.

(a) A charge will not apply to administrative changes as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

**7. Special Access Service (Cont'd)**

**7.2 Rate Categories, Applications and Regulations (Cont'd)**

**7.2.1 Rate Categories (Cont'd)**

(D) Nonrecurring Charge (Cont'd

(4) Service Rearrangements (Cont'd)

(b) All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the Circuit Termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.

- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.

- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade Circuit Termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.

- For all other changes, including the addition of optional feature or function without a separate nonrecurring charge, a charge equal to a Circuit Termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.1 Rate Categories (Cont'd)

(E) Surcharge for Special Access Service

(1) General

Special Access Services provided under this tariff may be subject to the monthly Special Access Surcharge.

(2) Application

The Special Access Surcharge will apply to each interstate Special Access Service that terminates on an end user's PBX or other device where, through a function of the device, the Special Access Service interconnects to the local exchange network. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex CO-type switch.

The monthly Special Access Surcharge applies to special access facilities on a per voice equivalent basis as shown in the following example:

| Special Access Facility | Voice Grade Equivalent | | Surcharge | Monthly Charge |
|---|---|---|---|---|
| Group | 12 | x | $25 | = $300.00 |
| DS1 | 24 | x | $25 | = $600.00 |

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.1 Rate Categories (Cont'd)

(E) Surcharge for Special Access Service (Cont'd)

(2) Application (Cont'd)

In the case of multipoint special access facilities, one Special Access Surcharge will apply for each termination of a special access circuit at an end user's premises.

The Telephone Company will bill the customer who orders the special access facility the Special Access Surcharge per installation unless the facility is exempt from the surcharge as set forth in (3) following.

(3) Exemption

The special access facility will be exempted from the monthly surcharge upon receipt of the customer's written certification for the following Special Access Service terminations:

1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
2) an analog circuit termination that is used for radio or television program transmission; or
3) a termination used for TELEX service; or
4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines such as terminations which are restricted through hardware or software; or

**7. Special Access Service (Cont'd)**

**7.2 Rate Categories, Applications and Regulations (Cont'd)**

**7.2.1 Rate Categories (Cont'd)**

(E) Surcharge for Special Access Service (Cont'd)

(3) Exemption (Cont'd)

5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges, such as where the special access facility accesses only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or

6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line.

Written certification for exemption must include the reason the service is exempted from the surcharge using the categories of exemption as stated above. An ASR may be used for exemption certification, provided all information as required by this section is included. The Telephone Company will bill the surcharge to all customers who have not provided valid exemption certification.

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.1 Rate Categories (Cont'd)

(E) Surcharge for Special Access Service (Cont'd)

(4) Rate

| | USOC | Monthly Rate |
|---|---|---|
| Surcharge for Special Access Service | | |
| - Per Voice Grade Equivalent | S25 | $63.38 (04/10/2024) |

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.1 Rate Categories (Cont'd)

(F) Message Station Equipment Recovery Charge

(1) General

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access Service and is assessed only to those customers to which the Special surcharge applies.

(2) Rate

Message Station Equipment Recovery Charge

- Per Special Access Surcharge Assessed

| Jurisdiction | USOC | Monthly Rate |
|---|---|---|
| Citizens Minnesota | UTM | $0.00 |

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.2 Minimum Periods

The minimum service period for all services except part-time and occasional Video and Program Audio services is one month. The minimum service period for part-time Video and Program Audio Services is one day even though the service will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.).

#### 7.2.3 Application of Daily and Monthly Rates

(A) Daily Rates

Daily rates are recurring rates that apply to each 24 hour period or fraction thereof that a Video or Program Audio Special Access Service provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day.

Part-time Program Audio or Video Service ordered on one Access Service Request and provided within a consecutive 30 day period will be charged the daily rate, not to exceed an amount equal to the monthly rate. For each subsequent day or part day, a charge equal to 1/30th of the monthly rate shall apply.

(B) Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.4 Facility Hubs and Multiplexing

A customer has the option of ordering Voice Grade facilities or High Capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility hub for multiplexing to individual services of a lower capacity or bandwidth (e.g., Telegraph, Voice, Program Audio, etc.). Additionally, the customer may specify optional features for the individual circuits derived from the facility to further tailor the circuit to meet specific communications requirements.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency circuits

A hub is a Telephone Company designated wire center at which multiplexing functions are performed.

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Service Request the customer will specify the desired hub. The National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, hub locations and the type of multiplexing functions available.

Point to point services may be provided on circuits of these facilities to a hub. The transmission performance for the point to point service provided between the customer designated premises will be that of the lower capacity or bit rate.

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.4 Facility Hubs and Multiplexing (Cont'd)

The Telephone Company will commence billing the monthly rate for the facility to the hub on the date specified by the customer on the Access Service Request. The customer will be billed for a High Capacity or Voice Grade Circuit Termination, Circuit Mileage and the multiplexer for the service at the time the facility is installed. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the hub or may be ordered and/or installed at a later date, at the option of the customer. Individual service rates (by service type) will apply for a Circuit Termination and additional Circuit Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a high capacity circuit is de-multiplexed to provide circuits with a lesser capacity and one of the lesser capacity circuits is further de-multiplexed. When cascading multiplexing is performed, whether in the same or a different hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different hubbing locations, Circuit Mileage charges also apply between the hubs.

Although not requiring multiplexing, the Telephone Company will designate certain hubs for Video and Program Audio Services. Full-time service will be provided between a customer designated premises and a hub and billed accordingly at the monthly rates set forth in 7.6.5 and 7.7.4 for a Circuit Termination, and Circuit Mileage and Optional Features and Functions as applicable. The customer may order part-time and occasional Program Audio services as needed between the hub and a second customer designated premises. The rate elements required to provide the part-time or occasional service (i.e., Circuit Termination, and Circuit Mileage and Optional Features as applicable) will be billed at daily rates for the duration of the service requested.

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.5 Shared Use Analog and Digital High Capacity Services

Shared use refers to a rate application applicable only when the customer orders High Capacity or Wideband Analog facilities between a customer designated premises and a Telephone Company hub where the Telephone Company performs multiplexing/demultiplexing functions and the same customer then orders the derived circuits as Special and Switched Access Services.

The facility will be ordered, provided and rated as Special Access Service (i.e., Circuit Termination, Circuit Mileage, as appropriate, and Multiplexing Arrangement). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity or Wideband Analog Circuit Termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for Switched Access Service. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual circuits of the shared use facility.

As each individual circuit is activated for Switched Access Service, the High Capacity or Wideband Analog Special Access Circuit Termination and Circuit Mileage rates will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). Switched Access Service rates and charges, as set forth in Section 6, will apply for each circuit of the shared use facility that is used to provide a Switched Access Service.

The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the circuit assignment for each such service.

## 7. Special Access Service (Cont'd)

### 7.2 Rate Categories, Applications and Regulations (Cont'd)

#### 7.2.5 Shared Use Analog and Digital High Capacity Services (Cont'd)

When Special Access Service is provided utilizing a circuit of the shared use facility to a hub, High Capacity or Wideband Analog rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the customer designated premises. The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates and charges will include a Circuit Termination and Circuit Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate circuit type.

## 7. Special Access Service (Cont'd)

### 7.3 Metallic Service

#### 7.3.1 Basic Circuit Description

A Metallic circuit is an unconditioned two-wire circuit capable of transmitting low speed varying signals at rates up to 30 baud. Metallic circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per circuit.

#### 7.3.2 Technical Specifications Packages

| | Package MT- | | | |
|---|---|---|---|---|
| Parameter | C | 1 | 2 | 3 |
| DC Resistance Between Conductors | X | X | X | |
| Loop Resistance | X | | | X |
| Shunt Capacitance | X | | | X |

The technical specifications are delineated in Technical Publication TR-NPL-000336.

#### 7.3.3 Channel Interfaces

Compatible channel interfaces are set forth in Section 9 following.

## 7. Special Access Service (Cont'd)

### 7.3 Metallic Service (Cont'd)

#### 7.3.4 Optional Features and Functions

(1) Central Office Bridging Capability

(a) Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer premises.

(b) Series Bridging of up to 26 customer premises.

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package MT- | | | |
|---|---|---|---|---|
| | C | 1 | 2 | 3 |
| Three Premises Bridging | X | X | | X |
| Series Bridging | X | | X | |

## 7. Special Access Service (Cont'd)

### 7.3 Metallic Service (Cont'd)

#### 7.3.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC - T6ECS

| Monthly Rates | | Nonrecurring Charge |
|---|---|---|
| $ 41.73 | (I) | $534.12 |

(B) Circuit Mileage
- USOC - 1L5XX

| Monthly Rates Fixed | | Monthly Rates Per Mile | |
|---|---|---|---|
| $ 53.76 | (I) | $ 3.05 | (I) |

## 7. Special Access Service (Cont'd)

### 7.3 Metallic Service (Cont'd)

#### 7.3.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

(1) Bridging
- Per Port
- USOC - BCNM3, Three Premises Bridging
- BCNMS, Series Bridging

| Three Premises Bridging Monthly Rate | Series Bridging Monthly Rate |
|---|---|
| $5.34 (I) | $5.34 (I) |

## 7. Special Access Service (Cont'd)

### 7.4 Telegraph Grade Service

#### 7.4.1 Basic Service Description

A Telegraph Grade circuit is an unconditioned circuit capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This circuit is furnished for half-duplex or duplex operation. Telegraph Grade circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

#### 7.4.2 Technical Specifications Packages

| Parameter | Package TG- | | |
|---|---|---|---|
| | C | 1 | 2 |
| Telegraph Distortion | X | X | X |

The technical specifications are delineated in Technical Reference TR-NPL-000336.

#### 7.4.3 Channel Interfaces

Compatible channel interfaces are set forth in Section 9 following.

#### 7.4.4 Optional Features and Functions

(1) Telegraph Bridging (two-wire and four-wire)

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package TG- | | |
|---|---|---|---|
| Telegraph Bridging | C | 1 | 2 |
| | X | X | X |

## 7. Special Access Service (Cont'd)

### 7.4 Telegraph Grade Service (Cont'd)

#### 7.4.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC - TME2X, 2-Wire

| 2-Wire Monthly Rates | 2-Wire Nonrecurring Charge |
|---|---|
| $ 41.73 (I) | $ 211.93 |

- Per Point of Termination
- USOC - TME4X, 4-Wire

| 4-Wire Monthly Rates | 4-Wire Nonrecurring Charge |
|---|---|
| $ 66.67 (I) | $ 211.93 |

## 7. Special Access Service (Cont'd)

### 7.4 Telegraph Grade Service (Cont'd)

#### 7.4.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)
- Per Point of Termination
- USOC - IL5XX

| Monthly Rates - Fixed | Monthly Rates -Per Mile |
|---|---|
| $ 53.76 (I) | $ 3.05 (I) |

(C) Optional Features and Functions

(1) Telegraph Grade Bridging
- Per Port
- USOC - BCNT2, 2-Wire
  BCNT4, 4-Wire

| 2-Wire Bridging Monthly Rate | 4-Wire Bridging Monthly Rate |
|---|---|
| $5.34 (I) | $5.34 (I) |

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service

#### 7.5.1 Basic Circuit Description

A Voice Grade Circuit is a circuit which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Effective 2-wire and 4-wire circuits are available as an Optional Feature and Function. Voice Grade circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

Voice Grade Service may be ordered in conjunction with Switched Access services as set forth in Section 6.3.2(T) to provide access for a customer's WATS, 800, or WATS-type service. When the customer orders the Combined Access Service Arrangement, Voice Grade Circuits provide voice frequency transmission capability between an end user premises and Telephone Company offices capable of combining Special and Switched Access services or between an end user premises and a WATS Serving Office (WSO). All applicable Special Access rates and charges apply (including Optional Features and Functions charges). Technical Specifications and Optional Features and Functions available with this arrangement are indicated under Package VG-CA in 7.5.2 and 7.5.5 following.

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.2 Technical Specifications Packages

| | Package VG- | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | C* | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | CA |
| Attenuation Distortion | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| C-Message Noise | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Echo Control | X | X | X | X | | X | | X | X | | | X | X | X |
| Envelope Delay Distortion | X | | | | | | X | X | X | X | X | X | X | X |
| Frequency Shift | X | | | | | | X | X | X | X | X | X | X | X |
| Impulse Noise | X | | | | | X | X | X | X | X | X | X | X | X |
| Intermodulation Distortion | X | | | | | | X | X | X | X | X | X | | X |
| Loss Deviation | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Phase Hits, Gain Hits, and Dropouts | X | | | | | | | | | | | | | |
| Phase Jitter | X | | | | | | X | X | X | X | X | X | X | X |
| Return Loss | | | | | | | | | | | | | | X |
| Signal-to-C Message Noise | | | | | X | | | | | | | | | |
| Signal-to-C Notch Noise | X | | | | | X | X | X | X | X | X | X | X | X |

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NPL-000335 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

* The desired parameters are selected by the customer from the list of available parameters.

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.3 Channel Interfaces

The following channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE DS, NO, PR and TF.

The following channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV, and SF.

Compatible channel interfaces are set forth in Section 9 following.

#### 7.5.4 Optional Features and Functions

(1) Central Office Bridging Capability

(a) Voice Bridging (two-wire or four-wire)

(b) Data Bridging (two-wire or four-wire)

(c) Telephoto Bridging (two-wire and four-wire)

(d) Dataphone Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

(e) Telemetry and Alarm Bridging, Split Band-Active Bridging, Passive Bridging, Summation-Active Bridging

(2) Central Office Multiplexing

Voice to Telegraph Grade: An arrangement that converts a Voice Grade circuit to Telegraph Grade circuits using frequency division multiplexing.

**7. Special Access Service (Cont'd)**

**7.5 Voice Grade Service (Cont'd)**

**7.5.4 Optional Features and Functions (Cont'd)**

(3) Conditioning (Cont'd)

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and Data Capability may be combined on the same service.

(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are:

| Attenuation Distortion (Frequency Response) Relative to 1004 Hz Variation | | Envelope Delay Distortion | |
|---|---|---|---|
| Frequency Range (Hz) | Variation (dB) | Frequency Range (Hz) | (micro-seconds) |
| 400-2800 | -1.0 to +2.0 | 1000-2600 | 100 |
| 300-3000 | -1.0 to +3.0 | 800-2600 | 200 |
| 3000-3200 | -2.0 to +6.0 | 600-2600 | 300 |
| | | 500-2800 | 600 |
| | | 500-3000 | 3000 |

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.4 Optional Features and Functions (Cont'd)

(3) Conditioning (Cont'd)

(b) Sealing Current

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type channel interfaces.

(4) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. This level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference TR-NPL-000335.

(5) Improved Return Loss

(a) On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

**7. Special Access Service (Cont'd)**

**7.5 Voice Grade Service (Cont'd)**

**7.5.4 Optional Features and Functions (Cont'd)**

(5) Improved Return Loss (Cont'd)

(b) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

(6) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are:

- Signal to C-Notched Noise Ratio is greater than or equal to 32dB Intermodulation distortion
- Signal to second order modulation products (R2) is greater than or equal to 38dB
- Signal to third order modulation products (R3) is greater than or equal to 42 dB

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.4 Optional Features and Functions (Cont'd)

(7) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion of telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are:

| Attenuation Distortion (1004Hz Reference) | | Envelope Delay Distortion | |
|---|---|---|---|
| Frequency Range (Hz) | Variation (dB) | Frequency Range (Hz) | Variation (mcs) |
| 500-3000 | -0.5 to +1.5 | 1000-2600 | 110 |
| 300-3200 | -1.0 to +2.5 | 800-2800 | 180 |

(8) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service.

(9) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

**7. Special Access Service (Cont'd)**

**7.5 Voice Grade Service (Cont'd)**

**7.5.4 Optional Features and Functions (Cont'd)**

(10) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuits. The arrangement can be utilized to transfer a leg of a Special Access Service to another circuit that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as part of the option.

(11) Four-Wire/Two-Wire Conversions

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Telephone Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the customer's premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two wire interface combines the transmission paths into a single path.

When a customer requests that an effective four-wire circuit be terminated with a two-wire circuit interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged the 4-wire Circuit Termination rate when an effective four-wire is specified in the customer's order. The rate for the conversion is included as part of the basic Circuit Termination rate.

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.4 Optional Features and Functions (Cont'd)

(12) The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package VG- | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | C | 1 | 2 | | 3 | | 4 | | 5 | | 6 | 7 | | 8 | | 9 | | 10 | | 11 | | 12 | | CA |
| C-Type Condition | | X | | | | | | | | | | X | | X | | X | | X | | X | | | | |
| Central Office Bridging Capability | | X | | | | | | | X | | | | | | | | | X | | X | | | | |
| | | X | | | | | | | | | | | | | | | | | | | | | | |
| Central Office Multiplexing | | X | | | | | | | | | | | | X | | | | | | | | | | |
| Customer Specified Premises Receive Level | | X | | | | | X | | X | | | | | | | X | | X | | X | | | | |
| Data Capability | | X | | | | | | | | | | | | X | | X | | | | X | | | | |
| Improved Return Loss -For Effective Four-Wire Transmission | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X |
| -For Effective Two-Wire Transmission | | X | | | | X | | X | | | | | | | | X | | | | | | | | |
| Sealing Current Conditioning | | X | | | | | | | | | | | | X | | | | | | | | | | |
| Selective Signaling Arrangement | | X | | | | X | | | | | | X | | X | | | | | | X | | X | | X |
| Signaling Capability | | | | X | | X | | X | | X | | | | | | | | X | | X | | | | |
| Transfer Arrangement | | | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X |

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC - TME2X, 2-Wire

| 2-Wire Monthly Rates | 2-Wire Nonrecurring Charge |
|---|---|
| $ 207.03 (08/28/2024) | $ 250.13 |

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.6 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)
- Per Point of Termination
- USOC - TME4X, 4-Wire

| 4-Wire Monthly Rates | 4-Wire Nonrecurring Charge |
|---|---|
| $331.29 (08/28/2024) | $ 250.13 |

(B) Circuit Mileage
- USOC - IL5XX

| Monthly Rates -Fixed | Monthly Rates -Per Mile |
|---|---|
| $266.72 (08/28/2024) | $15.12 (08/28/2024) |

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.6 Rates and Charges (Cont'd)

(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Voice Grade Service listed in this section apply to all jurisdictions of Citizens Telecommunications Company of Minnesota.

(1) Bridging

| | USOC | Monthly Rates | Nonrecurring Charge |
|---|---|---|---|
| (a) Voice Bridging | | | |
| - Per port | | | |
| - Two-Wire | BCNV2 | $5.34 (I) | None |
| - Four-Wire | BCNV4 | 5.34 (I) | None |
| (b) Data Bridging | | | |
| - Per Port | | | |
| - Two-Wire | BCND2 | 5.34 (I) | None |
| - Four-Wire | BCND4 | 5.34 (I) | None |
| (c) Telephoto Bridging | | | |
| - Per port | | | |
| - Two-Wire | BCNF2 | 5.34 (I) | None |
| - Four-Wire | BCNF4 | 5.34 (I) | None |

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.6 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

(1) Bridging (Cont'd)

| | USOC | Monthly Rates | | Nonrecurring Charge |
|---|---|---|---|---|
| (d) DATAPHONE Select-A-Station Bridging | | | | |
| Sequential Arrangement Ports | | | | |
| - Per Circuit Connected | | | | |
| - 2-Wire | DQ2 | 24.41 | (I) | None |
| - 4-Wire | DQ4 | 129.72 | (I) | None |
| Addressable Arrangement Ports | | | | |
| - Per Circuit Connected | | | | |
| - 2-Wire | KQ2 | 26.17 | (I) | None |
| - 4-Wire | KQ4 | 133.26 | (I) | None |
| (e) Telemetry and Alarm Bridging | | | | |
| Active Bridging Circuit Connections | | | | |
| - Per Circuit Connected | | | | |
| - Split Band | CNLRX | $9.25 | (I) | None |
| - Summation | BCNSA | 1.58 | (I) | None |
| Passive Bridging Circuit Connections | | | | |
| - Per Circuit Connected | BCNTP | 0.23 | (I) | None |

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.6 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

| | | USOC | Monthly Rates | Nonrecurring Charge |
|---|---|---|---|---|
| (2) | Conditioning | | | |
| | - Per Point of Termination | | | |
| | - C - Type | X1CPT | 12.79 (I) | None |
| | - Sealing Current | 1HBPT | None | None |
| (3) | Improved Return Loss for Effective Four-Wire Transmission | | | |
| | - Per Point of Termination | | | |
| | - Two-Wire | 1RL2W | 18.48 (I) | None |
| | - Four-Wire | 1RL4W | 18.48 (I) | None |
| (4) | Customer Specified Receive Level | | | |
| | - Per Two-Wire Point of Termination | RLS | None | None |
| (5) | Multiplexing Voice to Telegraph Grade | | | |
| | - Per Arrangement | MQX | 249.26 (I) | None |

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.6 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

| | | USOC | Monthly Rates | Nonrecurring Charge |
|---|---|---|---|---|
| (6) | Data Capability<br>- Per Point of Termination | XDCPT | $13.11 (I) | $137.52 |
| (7) | Telephoto Capability<br>- Per Point of Termination | XTCPT | 3.23 (I) | 119.37 |
| (8) | Signaling Capability<br>- Per Point of Termination | XSS++ | 18.98 (I) | None |

- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.

AB
AC
CT
DX
DY
EA
EB
EC
EX
GO
GS
LA
LB
LC
LO
LR
LS
RV
SF

## 7. Special Access Service (Cont'd)

### 7.5 Voice Grade Service (Cont'd)

#### 7.5.6 Rates and Charges (Cont'd)

(C) Optional Features and Functions (Cont'd)

| | | USOC | Monthly Rates | Nonrecurring Charge |
|---|---|---|---|---|
| (9) | Selective Signaling Arrangement<br>- Per Arrangement | USZ | $16.16 (I) | None |
| (10) | Transfer Arrangement (Key Activated* or Dial Up**)<br>- Per Four Port Arrangement, including control circuit termination*** | USY | 3.45 (I) | None |
| | - Per Five Port Arrangement, including control circuit termination*** | US5 | 7.88 (I) | None |

* The key activated control circuit is rated as a Metallic Circuit Termination (use USOC T6EME in lieu of T6ECS) and Circuit Mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

** The Dial-up option requires the customer to purchase the Controller Arrangement (USOC XTDDU) from Section 13.3.8.

*** An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises. Additional circuit mileage charges will apply when the transfer arrangement is not located in the customer premises serving wire center.

## 7. Special Access Service (Cont'd)

### 7.6 Program Audio Service

#### 7.6.1 Basic Circuit Description

A Program Audio circuit is a circuit measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. Only one-way transmission is provided. Program Audio circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

#### 7.6.2 Technical Specifications Packages

| | Package AP- | | | | |
|---|---|---|---|---|---|
| Parameter | C* | 1 | 2 | 3 | 4 |
| Actual Measured Loss | X | X | X | X | X |
| Amplitude Tracking | X | | | | |
| Crosstalk | X | X | X | X | X |
| Distortion Tracking | X | | | | |
| Gain/Frequency Distortion | X | X | X | X | X |
| Group Delay | X | | | | |
| Noise | X | X | X | X | X |
| Phase Tracking | X | | | | |
| Short-Term Gain Stability | | X | | | |
| Short-Term Loss | X | | | | |
| Total Distortion | X | X | X | X | X |

The technical specifications are delineated in Technical Reference PUB 62503 and associated Addendum.

* The desired parameters are selected by the customer from the list available parameters.

## 7. Special Access Service (Cont'd)

### 7.6 Program Audio Service (Cont'd)

#### 7.6.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Program Audio circuit:

| CI | Bandwidth |
|---|---|
| PG-1 | Nominal frequency from 50 to 15000 Hz |
| PG-3 | Nominal frequency from 200 to 3500 Hz |
| PG-5 | Nominal frequency from 100 to 5000 Hz |
| PG-8 | Nominal frequency from 50 to 8000 Hz |

Compatible channel interfaces are set forth in Section 9 following.

## 7. Special Access Service (Cont'd)

### 7.6 Program Audio Service (Cont'd)

#### 7.6.4 Optional Features and Functions

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to OdB + 0.5 dB.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately).

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package AP- | | | | |
|---|---|---|---|---|---|
| | C | 1 | 2 | 3 | 4 |
| Central Office Bridging Capability | X | X | X | X | X |
| Gain Conditioning | X | X | X | X | X |
| Stereo | X | | | | X |

## 7. Special Access Service (Cont'd)

### 7.6 Program Audio Service (Cont'd)

#### 7.6.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination

- USOC - TMECS

200-3500 Hz

| Monthly Rates | Daily Rates | Nonrecurring Charge |
|---|---|---|
| $ 41.73 (I) | $ 4.17 (I) | $ 243.72 (I) |

100-5000 Hz

| Monthly Rates | Daily Rates | Nonrecurring Charge |
|---|---|---|
| $ 45.90 (I) | $ 4.59 (I) | $ 344.68 (I) |

50-8000 Hz

| Monthly Rates | Daily Rates | Nonrecurring Charge |
|---|---|---|
| $ 45.90 (I) | $ 4.59 (I) | $ 344.68 (I) |

## 7. Special Access Service (Cont'd)

### 7.6 Program Audio Service (Cont'd)

#### 7.6.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)
- Per Point of Termination

- USOC - TMECS

50-15000 Hz

| Monthly Rates | Daily Rates | Nonrecurring Charge |
|---|---|---|
| $ 50.07 (I) | $ 5.00 (I) | $ 308.11 (I) |

**7. Special Access Service (Cont'd)**

**7.6 Program Audio Service (Cont'd)**

**7.6.5 Rates and Charges (Cont'd)**

(B) Circuit Mileage
- USOC - IL5XX

200-3500 Hz

| Monthly Rate Fixed | Monthly Rate Per Mile |
|---|---|
| $ 53.76 (I) | $ 3.05 (I) |

200-3500 Hz

| Daily Rate Fixed | Daily Rate Per Mile |
|---|---|
| $ 5,38 (I) | $ .31 (I) |

100-5000 Hz

| Monthly Rate Fixed | Monthly Rate Per Mile |
|---|---|
| $ 59.4 (I) | $ 6.10 (I) |

**7. Special Access Service (Cont'd)**

**7.6 Program Audio Service (Cont'd)**

**7.6.5 Rates and Charges (Cont'd)**

(B) Circuit Mileage (Cont'd)
- USOC - IL5XX

100-5000 Hz

| Daily Rate Fixed | Daily Rate Per Mile |
|---|---|
| $ 5.91 (I) | $ .61 (I) |

50-8000 Hz

| Monthly Rate Fixed | Monthly Rate Per Mile |
|---|---|
| $ 59.14 (I) | $ 9.14 (I) |

50-8000 Hz

| Monthly Rate Fixed | Monthly Rate Per Mile |
|---|---|
| $ 5.91 (I) | $ .92 (I) |

**7. Special Access Service (Cont'd)**

**7.6 Program Audio Service (Cont'd)**

**7.6.5 Rates and Charges (Cont'd)**

(B) Circuit Mileage (Cont'd)
- USOC - IL5XX

50-15000 Hz

| Monthly Rate Fixed | Monthly Rate Per Mile |
|---|---|
| $ 59.14 (I) | $ 18.29 (I) |

50-15000 Hz

| Daily Rate Fixed | Daily Rate Per Mile |
|---|---|
| $ 5.91 (I) | $ 1.83 (I) |

## 7. Special Access Service (Cont'd)

### 7.6 Program Audio Service (Cont'd)

#### 7.6.5 Rates And Charges (Cont'd)

(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Program Audio Service listed in this section apply to all jurisdictions of Citizens Telecommunications of Minnesota.

| | | USOC | Monthly Fixed | | Daily Rates | | Nonrecurring Charges Monthly | Nonrecurring Charges Daily |
|---|---|---|---|---|---|---|---|---|
| (1) | Bridging, Distribution Amplifier - Per Port | BCNPT | $22.02 | (I) | $2.21 | (I) | None | None |
| (2) | Gain Conditioning - Per Service | XGC | 6.54 | (I) | .64 | (I) | $216.53 | $216.53 |
| (3) | Stereo - Per service | XSC | None | | None | | 233.16 | 233.16 |

## 7. Special Access Service (Cont'd)

### 7.7 Video Service

#### 7.7.1 Basic Circuit Description

A Video circuit is a circuit with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color video signal and one or two associated 5 or 15 kHz audio signal(s). The bandwidth for a video circuit is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The associated audio signal(s) may be either duplexed or provided as one or two separate circuits. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

#### 7.7.2 Technical Specifications Packages

| | Package TV- | | |
|---|---|---|---|
| Parameter | C* | 1 | 2 |
| Amplitude vs. Frequency Response | X | | |
| Chrominance/Luminance Inequalities | | | |
| Gain | X | X | X |
| Delay | X | X | X |
| Chrominance/Luminance Intermodulation | | X | |
| Chrominance Nonlinear Gain | X | | |
| Chrominance Nonlinear Phase | X | | |
| Crosstalk | X | | X |
| Differential Gain | X | X | X |
| Differential Phase | X | X | X |
| Dynamic Gain (picture and sync signal) | X | | |
| Field-Time Distortion | X | X | X |
| Gain/Frequency Distortion | X | X | X |
| Gain Stability | X | X | X |
| Insertion Gain | X | X | X |
| Line-Time Distortion | X | X | X |
| Long-Time Distortion | X | X | X |

* The desired parameters are selected by the customer from the list of available parameters.

## 7. Special Access Service (Cont'd)

### 7.7 Video Service (Cont'd)

#### 7.7.2 Technical Specifications Packages (Cont'd)

| | Package TV- | | |
|---|---|---|---|
| Parameter | C* | 1 | 2 |
| Luminance Nonlinearity | X | | |
| Luminance Signal/CCIR | | | |
| Weighted Noise | X | X | X |
| Short-Time Distortion | | | |
| 2 T Pulse | X | X | X |
| T - Bar Ringing | X | X | X |
| Signal/15 kHz Flat | | | |
| Weighted Noise | X | X | X |
| Signal/Low Frequency Noise | X | | |
| Stereo Gain Difference | X | X | |
| Stereo Phase Difference | X | X | |
| Total Harmonic Distortion | X | X | X |
| Transient Sync Signal | | | |
| Non-Linearity | X | | |
| Video/Audio Delay Difference | X | | |

The technical specifications are delineated in Technical Reference TR-NPL-000338 and associated Addendum.

* The desired parameters are selected by the customer from the list of available parameters.

## 7. Special Access Service (Cont'd)

### 7.7 Video Service (Cont'd)

#### 7.7.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidth and the provision of the audio signal(s) associated with a Video circuit:

| CI | Audio Bandwidth | Provision |
|---|---|---|
| 2TV6-1 | 15kHz | 1 Channel, duplexed |
| 2TV6-2 | 15kHz | 2 Channels, duplexed |
| 2TV7-1 | 15kHz | 1 Channel, duplexed |

| CI | Bandwidth | Provision |
|---|---|---|
| 2TV7-2 | 15kHz | 2 Channels, duplexed |
| 4TV6-5 | 5kHz | 1 Channel, separate |
| 4TV6-15 | 15kHz | 1 Channel, separate |
| 4TV7-5 | 5kHz | 1 Channel, separate |
| 4TV7-15 | 15kHz | 1 Channel, separate |
| 6TV6-5 | 5kHz | 2 Channels, separate |
| 6TV6-15 | 15kHz | 2 Channels, separate |
| 6TV7-5 | 5kHz | 2 Channels, separate |
| 6TV7-15 | 15kHz | 2 Channels, separate |

Compatible channel interfaces are set forth in Section 9 following.

## 7. Special Access Service (Cont'd)

### 7.7 Video Service (Cont'd)

#### 7.7.4 Rates and Charges

(A) Circuit Termination
- Per Point of Termination

Rates and Charges for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12. Available bandwidths and USOC formats are as follows:

| Bandwidth | USOC |
|---|---|
| -TV-1 or 2 | TMEV1 |
| -4TV-5 | TMEV4 |
| -6TV-5 | TMEV6 |
| -TV-15 | TMEV5 |

**7. Special Access Service (Cont'd)**

**7.7 Video Service (Cont'd)**

**7.7.4 Rates and Charges (Cont'd)**

(B) Circuit Mileage

Rates and Charges for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12. Available bandwidths and USOC formats are as follows:

| Bandwidth | USOC |
|---|---|
| TV-1 or 2 | 1L5XX |
| 4TV-5 | 1L5XX |
| 6TV-5 | 1L5XX |
| TV-15 | 1L5XX |

## 7. Special Access Service (Cont'd)

### 7.8 Wideband Analog Service

#### 7.8.1 Basic Circuit Description

A Wideband Analog circuit is a circuit with a bandwidth measured in kHz for the transmission of a wideband signal. The actual bandwidth is a function of the channel interface selected by the customer. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz. Wideband Analog circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

#### 7.8.2 Technical Specifications Packages

| | Package WA- | | | | |
|---|---|---|---|---|---|
| Parameter | 1 | 2 | 2A | 3 | 4 |
| Amplitude Stability | X | X | | | |
| Background Noise | X | X | X | X | X |
| Frequency Shift | X | X | X | | |
| Gain/Frequency Characteristics of: | | | | | |
| - Group Connections | X | | | X | X |
| - Supergroup Connections | | X | | | |
| - Mastergroup Connections | | | X | | |
| Impulse Noise | X | X | X | | |
| Net Loss Variations | X | X | X | X | X |
| Pilot Slot | | X | X | X | |
| Spurious Single Frequency Tone | X | X | X | | |

The technical specifications are delineated in Technical Reference PUB 62505 and associated Addendum.

## 7. Special Access Service (Cont'd)

### 7.8 Wideband Analog Service (Cont'd)

#### 7.8.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Wideband Analog channel:

| CI | Bandwidth |
|---|---|
| AH-B | 60 kHz to 108 kHz (Group) |
| AH-C | 312 kHz to 552 (Supergroup) |
| AD-D | 564 kHZ to 3084 kHz (Mastergroup) |
| WD-1 | 300 Hz to 18 kHz |
| WD-2 | 29 kHz to 44 kHz |
| WD-3 | 28 kHz to 44 kHz |

Compatible channel interfaces are set forth in Section 9 following.

#### 7.8.4 Optional Features and Functions

(A) Central Office Multiplexing

(1) Mastergroup to Supergroup

An arrangement that converts a Mastergroup circuit to ten Supergroup circuits using frequency division multiplexing.

(2) Supergroup to Group

An arrangement that converts a Supergroup circuit to five Group circuits using frequency division multiplexing.

(3) Group to Voice

An arrangement that converts a Group circuit to twelve Voice Grade circuits using frequency division multiplexing.

**7. Special Access Service (Cont'd)**

**7.8 Wideband Analog Service (Cont'd)**

**7.8.4 Optional Features and Functions (Cont'd)**

(A) Central Office Multiplexing (Cont'd)

(4) Group to DS1

An arrangement that converts two Group circuit to DS1 circuit using analog to digital conversion.

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package WA- | | | | |
|---|---|---|---|---|---|
| | 1 | 2 | 2A | 3 | 4 |
| Central Office Multiplexing: | | | | | |
| Mastergroup to Supergroup | | | X | | |
| Supergroup to Group | | X | | | |
| Group to Voice | X | | | | |
| Group to DS1* | | | | | |

## 7. Special Access Services (Cont'd)

### 7.8 Wideband Analog Service (Cont'd)

#### 7.8.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination

Monthly Rates and Nonrecurring Charges for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths and USOC formats are as follows:

| Frequency Bandwidths | USOC |
|---|---|
| 60 kHz - 108 kHz | TWT++ |
| 312 kHz - 552 kHz | TWT++ |
| 564 kHz - 3084 kHz | TWT++ |
| 300 Hz - 18 kHz | TWT++ |
| 29 kHz - 44 kHz | TWT++ |

## 7. Special Access Services (Cont'd)

### 7.8 Wideband Analog Service (Cont'd)

#### 7.8.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

Fixed and Per Mile Monthly Rates for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available bandwidths and USOC formats are as follows.

| Frequency Bandwidth | USOC |
|---|---|
| 60-108 kHz | 1LO++ |
| 312-552 kHz | 1LO++ |
| 564-3084 kHz | 1LO++ |
| 300 Hz-18 kHz | 1LO++ |
| 29-44 kHz | 1LO++ |

**7. Special Access Services (Cont'd)**

**7.8 Wideband Analog Service (Cont'd)**

**7.8.5 Rates and Charges (Cont'd)**

(C) Optional Features and Functions

(1) Multiplexing

Fixed and Per Mile Monthly Rates for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available multiplexing arrangements and USOC formats are as follows:

| Multiplexing Arrangement | USOC (Per Arrangement) |
|---|---|
| Mastergroup to Supergroup | MQ9++ |
| Supergroup to Group | MQS++ |
| Group to Voice | MQV++ |
| Group to DS1* | MQG++ |

* Requires two 60-108 kHz Circuit Terminations and Circuit Mileage, one 1.544 Mbps Circuit Mileage and either a 1.544 Circuit Termination or a DS1 to Voice Multiplexing optional feature, depending on whether the service terminates at a customers premises or was purchased as a facility, to a Telephone Company hub for multiplexing to Voice Grade.

## 7. Special Access Services (Cont'd)

### 7.9 Wideband Data Service

#### 7.9.1 Basic Circuit Description

A Wideband Data circuit is an analog circuit for the transmission of synchronous serial data at the rate of 19.2, 50.0, or 230.4 kbps or of asynchronous serial data at rates of up to 19.2, 50.0, or 230.4 kbps. Optional arrangements are available for transmission of synchronous serial data at 18.75 or 40.8 kbps. The actual bit rate is a function of the channel interface selected by the customer. This service requires a 303 Data Station(s). The 303 Data Station provides coupling between the customers business machine and the wideband data transmission medium. A voice band coordinating channel is also provided. Wideband Data circuits are provided between customer designated premises.

#### 7.9.2 Technical Specifications Packages

| | Package WD- | | |
|---|---|---|---|
| Parameter | 1 | 2 | 3 |
| Error-Free Seconds | X | X | X |

While in service, the monthly average of error-free seconds will be equal to or greater than 98.75%.

## 7. Special Access Services (Cont'd)

### 7.9 Wideband Data Service (Cont'd)

#### 7.9.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Wideband Data circuit:

| CI | Bit Rate |
|---|---|
| WB-18S | 18.75 kbps, synchronous |
| WB-19A | up to 19.2 kbps, asynchronous |
| WB-19S | 19.2 kbps, synchronous |
| WB-23A | up to 230.4 kbps, asynchronous |
| WB-23S | 230.4 kbps, synchronous |
| WB-40S | 40.8 kbps, synchronous |
| WB-50A | up to 50.0 kbps, asynchronous |
| WB-50S | 50.0 kbps, synchronous |

Compatible channel interfaces are set forth in Section 9 following.

## 7. Special Access Service (Cont'd)

### 7.9 Wideband Data Service (Cont'd)

#### 7.9.4 Optional Features and Functions

(A) Key Activated Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuit(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer premises. A key activated control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as a part of the option.

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package WD- | | |
|---|---|---|---|
| | 1 | 2 | 3 |
| Key Activated Transfer Arrangement | X | X | X |

## 7. Special Access Service (Cont'd)

### 7.9 Wideband Data Service (Cont'd)

#### 7.9.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC - TMECS

50.0 or 40.8 Kbps

| Monthly Rate | Nonrecurring Charge |
|---|---|
| $ 909.66 (I) | $ 618.35 |

## 7. Special Access Services (Cont'd)

### 7.9 Wideband Data Service (Cont'd)

#### 7.9.5 Rates and Charges (Cont'd)

(A) Circuit Termination (Cont'd)

For data speeds other than 40.8 and 50.0 kbps:

Fixed and Per Mile Monthly Rates for the Circuit Termination rate element of Wideband Data Service for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available data speeds and USOC formats are as follows:

| Data Speed | USOC |
|---|---|
| 18.75 kbps | TWT++ |
| 19.2 kbps | TWT++ |
| 230.4 kbps | TWT++ |

**7. Special Access Service (Cont'd)**

**7.9 Wideband Data Service (Cont'd)**

**7.9.5 Rates and Charges (Cont'd)**

(B) Circuit Mileage
- USOC - IL5XX

50.0 or 40.8 Kbps

| Monthly Rate Fixed | Monthly Rate Per Mile |
|---|---|
| $ 69.89 (I) | $ 50.29 (I) |

## 7. Special Access Services (Cont'd)

### 7.9 Wideband Data Service (Cont'd)

#### 7.9.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

For data speeds other than 40.8 and 50.0 kbps:

Fixed and Per Mile Monthly Rates for the Circuit Mileage rate element of Wideband Data Service for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available data speeds and USOC formats are as follows:

| Data Speed | USOC |
|---|---|
| 18.75 kbps | 1LOXX |
| 19.2 kbps | 1LOXX |
| 230.4 kbps | 1LOXX |

## 7. Special Access Services (Cont'd)

### 7.9 Wideband Data Service (Cont'd)

#### 7.9.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

Monthly Rates and Nonrecurring Charges for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available Optional Features and Functions and USOC formats are as follows.

| Optional Features and Functions | USOC |
|---|---|
| Key Activated Transfer Arrangement | |
| - Per Four Port Arrangement, including control circuit termination* | UTK++ |

(D) 303 Data Station

Monthly Rates and Nonrecurring Charges for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12 following.

| 303 Data Station | USOC |
|---|---|
| - Per Point of Termination | TDQ++ |

* The key activated control circuit is rated as a Metallic Circuit Termination (use USOC TMEME in lieu of TMECS) and Circuit Mileage, if applicable (use USOC 1L5MX in lieu in 1L5XX).

## 7. Special Access Service (Cont'd)

### 7.10 Digital Data Service

#### 7.10.1 Basic Circuit Description

A Digital Data circuit is a circuit for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6 or 56 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The circuit provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data circuits are only available via Telephone Company designated hubs and are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data circuit at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

#### 7.10.2 Technical Specifications Packages

| | Package DA | | | |
|---|---|---|---|---|
| Parameter | 1 | 2 | 3 | 4 |
| Error-Free Seconds | X | X | X | X |

The Telephone Company will provide a circuit capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the circuit is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB 62507.

## 7. Special Access Service (Cont'd)

### 7.10 Digital Data Service (Cont'd)

#### 7.10.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data circuit.

| CI | Bit Rate |
|---|---|
| DU-24 | 2.4 Kbps |
| DU-48 | 4.8 Kbps |
| DU-96 | 9.6 Kbps |
| DU-56 | 56.0 Kbps |

Compatible channel interfaces are set forth in Section 9 following.

#### 7.10.4 Optional Features and Functions

(1) Central Office Bridging Capability

(2) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access circuit(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer designated premises. This arrangement is only available at a Telephone Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as a part of the option.

**7. Special Access Service (Cont'd)**

**7.10 Digital Data Service (Cont'd)**

**7.10.5 Rates and Charges**

(A) Circuit Termination
- Per Point of Termination
- USOC - TMECS

2.4, 4.8 & 9.6 Kbps

| Monthly Rate | | Nonrecurring Charge |
|---|---|---|
| $100.14 | (I) | $ 496.56 |

56.0 Kbps

| Monthly Rate | | Nonrecurring Charge |
|---|---|---|
| $108.49 | (I) | $ 553.83 |

**7. Special Access Service (Cont'd)**

**7.10 Digital Data Service (Cont'd)**

**7.10.5 Rates and Charges (Cont'd)**

(B) Circuit Mileage
- USOC - IL5XX

2.4, 4.8, & 9.6 Kbps

| Monthly Rate Fixed | Monthly Rate Per Mile |
|---|---|
| $ 53.76 (I) | $ 3.05 (I) |

56.0 Kbps

| Monthly Rate Fixed | Monthly Rate Per Mile |
|---|---|
| $107.53 (I) | $ 6.10 (I) |

## 7. Special Access Service (Cont'd)

### 7.10 Digital Data Service (Cont'd)

#### 7.10.5 Rates and Charges (Cont'd)

(C) Optional Features and Functions

Monthly Rates and Nonrecurring Charges for the Optional Features and Functions of Digital Data Service listed in this section apply to all jurisdictions of Citizens Minnesota.

| Optional Features and Functions | USOC | Monthly Rates | | Nonrecurring Charges |
|---|---|---|---|---|
| (1) Bridging | | | | |
| - Per Port | BCNDA | $27.34 | (I) | None |
| (2) Loop Transfer Arrangement (Key Activated* or Dial-Up**) | | | | |
| - Per Four-Port Arrangement*** | XTD | 6.85 | (I) | None |

* The key activated control is rated as a Metallic Circuit Termination (Use USOC T6EME in lieu of T6ECS) and Circuit Mileage, if applicable (Use USOC 1L5MX in lieu of 1L5XX).

** The Dial-Up option requires the customer to purchase the Controller Arrangement (USOC XTDDU) from Section 8.7(A).

*** An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises. Additional Circuit Mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

## 7. Special Access Service (Cont'd)

### 7.10 Digital Data Service (Cont'd)

#### 7.10.5 Rates and Charges (Cont'd)

(D) Channel Service Unit

Monthly Rates and Nonrecurring Charges for the Channel Service Unit* of Digital Data Service listed in this section apply to all jurisdictions of Citizens Minnesota.

| Channel Service Limit | USOC | Monthly Rate | | Nonrecurring Charge |
|---|---|---|---|---|
| - Per Point of Termination where provided | | | | |
| - 2.4 Kbps | TSH24 | $18.87 | (I) | None |
| - 4.8 Kbps | TSH48 | 20.17 | (I) | None |
| - 9.6 Kbps | TSH96 | 21.16 | (I) | None |
| - 56.0 Kbps | TSH56 | 22.05 | (I) | None |

* Channel Service Units will only be provided if they existed in the Telephone Company's inventory as of November 18, 1983.

## 7. Special Access Service (Cont'd)

### 7.11 High Capacity Service

#### 7.11.1 Basic Circuit Description

A High Capacity circuit is a circuit for the transmission of nominal 64.0 kbps* or 1.544, 3.152, 6.312, 44.736, or 274.176 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity circuit at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

#### 7.11.2 Technical Specifications Packages

| | Package HC | | | | | |
|---|---|---|---|---|---|---|
| Parameter | 0 | 1 | 1C | 2 | 3 | 4 |
| Error-Free Seconds | | X | | | | |

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

* Available only as a circuit of a 1.544 Mbps facility to a Telephone Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 kbps circuits of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

## 7. Special Access Service (Cont'd)

### 7.11 High Capacity Service (Cont'd)

#### 7.11.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity circuit:

| CI | Bit Rate |
|---|---|
| DS-15* | 1.544 Mbps (DS1) |
| DS-27 | 274.176 Mbps (DS4) |
| DS-31 | 3.152 Mbps (DSIC) |
| DS-44 | 44.736 Mbps (DS3) |
| DS-63 | 6.312 Mbps (DS2) |

Compatible channel interfaces are set forth in Section 9.3.5 following.

#### 7.11.4 Optional Features and Functions

(1) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare circuit line when a working line fails. The spare circuit is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer premises will be provided under tariff only if it existed in the Telephone Company inventory as of November 18, 1983.

* A 64.0 kbps circuit is available as a circuit(s) of a 1.544 Mbps facility to a Telephone Company hub.

**7. Special Access Service (Cont'd)**

**7.11 High Capacity Service (Cont'd)**

**7.11.4 Optional Features and Functions (Cont'd)**

(2) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access circuit(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer designated premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as part of he option.

(3) Central Office Multiplexing

(a) DS4 to DS1

An arrangement that converts a 274.176 Mbps circuit to 168 DS1 circuits using digital time division multiplexing.

(b) DS3 to DS1

An arrangement that converts a 44.736 Mbps circuit to 28 DS1 circuits using digital time division multiplexing.

(c) DS2 to DS1

An arrangement that converts a 6.312 Mbps circuit to four DS1 circuits using digital time division multiplexing.

**7. Special Access Service (Cont'd)**

**7.11 High Capacity Service (Cont'd)**

**7.11.4 Optional Features and Functions (Cont'd)**

(3) Central Office Multiplexing (Cont'd)

(d) DS1C to DS1

An arrangement that converts a 3.152 Mbps circuit to two DS1 circuits using digital time division multiplexing.

(e) DS1 to Voice

An arrangement that converts a 1.544 Mbps circuit to 24 circuits for use with Voice Grade Services. A circuit at this DS1 to the hub can also be used for a Digital Data Service.

(f) DS1 to DS0

An arrangement that converts a 1.544 Mbps circuit to 23 64.0 kbps circuits utilizing digital time division multiplexing.

**7. Special Access Service (Cont'd)**
**7.11 High Capacity Service (Cont'd)**
**7.11.4 Optional Features and Functions (Cont'd)**

(3) Central Office Multiplexing (Cont'd)

(g) DSO to Subrate
An arrangement that converts a 64.0 kbps circuit to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps circuits using digital time division multiplexing.

The following table shows the technical specifications packages with which the optional features and functions are available.

| | Available with Technical Specifications Package HC- | | | | | |
|---|---|---|---|---|---|---|
| | 0 | 1 | 1C | 2 | 3 | 4 |
| Automatic Loop Transfer | | X | | | | |
| Central Office Multiplexing: | | | | | | |
| DS4 to DS1 | | | | | | X |
| DS3 to DS1 | | | | | X | |
| DS2 to DS1 | | | | X | | |
| DS1C to DS1 | | | X | | | |
| DS1 to Voice | | X | | | | |
| DS1 to DS0 | | X | | | | |
| DS0 to Subrate* | X | | | | | |
| Transfer Arrangement | | X | | | | |

(4) Cross Connect
A cross-connect charge will be charged on a monthly basis t recover the costs of the facilities and equipment required for cable connection from the Telephone Company distribution f to the central office electronic equipment owned or dedicate interconnector. Rates will be standard for each Telephone Company central office where an interconnector has establis multiplexing node.
Rates can be found in Section 7.11.15(E). (N)

(N)

* Available only on a circuit of a 1.544 Mbps facility to a Telephone Company hub.

**7. Special Access Service (Cont'd)**

**7.11 High Capacity Service (Cont'd)**

**7.11.4 Optional Features and Functions (Cont'd)**

(4) Cross Connect (Cont'd)

A Cross Connect charge will not apply when the cross connect is used in conjunction with an unbundled network element (UNE) obtained pursuant to an interconnection agreement with the Company.

## 7. Special Access Service (Cont'd)

### 7.11 High Capacity Service (Cont'd)

#### 7.11.5 Rates and Charges

(A) Circuit Termination
- Per Point of Termination
- USOC - TMECS

1.544 Mbps

| Monthly Rates | Nonrecurring Charge |
|---|---|
| $2,422.40 (08/28/2024) | $2,113.08 |

**7. Special Access Service (Cont'd)**

**7.11 High Capacity Service (Cont'd)**

**7.11.5 Rates and Charges (Cont'd)**

(A) Circuit Termination (Cont'd)
- Per Point of Termination

Frequency bandwidths other than 1.544 mbps:

Monthly Rates and Nonrecurring Charges for the Circuit Termination rate element of High Capacity Service for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths and USOC formats are as follows:

| Frequency Bandwidths | USOC |
|---|---|
| 64 Kbps | TWT++ |
| 3.152 Mbps | TWT++ |
| 6.312 Mbps | TWT++ |
| 44.736 Mbps | TWT++ |
| 274.176 Mbps | TWT++ |

**7. Special Access Service (Cont'd)**

**7.11 High Capacity (Cont'd)**

**7.11.5 Rates and Charges (Cont'd)**

(B) Circuit Mileage
- USOC - IL5XX, Fixed
- IL55X, Per Mile

1.544 Mbps

| Monthly Rate Fixed | Monthly Rate Per Mile |
|---|---|
| $1,173.72 (08/28/2024) | $ 362.88 (08/28/2024) |

**7. Special Access Service (Cont'd)**

**7.11 High Capacity (Cont'd)**

**7.11.5 Rates and Charges (Cont'd)**

(B) Circuit Mileage (Cont'd)

For frequency bandwidths other than 1.544 Mbps:

Fixed and Per Mile Monthly Rates for the Circuit Mileage rate element of High Capacity Service for all jurisdictions of Citizens Minnesota will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths and USOC formats are as follows.

| Frequency Bandwidths | USOC |
|---|---|
| 64 Kbps | 1L5XX (Fixed), 1L5XX(Per Mile) |
| 3.152 Mbps | 1LO++ |
| 6.312 Mbps | 1LO++ |
| 44.736 Mbps | 1LO++ |
| 274.176 Mbps | 1LO++ |

**7. Special Access Service (Cont'd)**

**7.11 High Capacity (Cont'd)**

**7.11.5 Rates and Charges (Cont'd)**

(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of High Capacity Service listed in this section apply to all jurisdictions of Citizens Minnesota.

| | USOC | Monthly Rates | Nonrecurring Charges |
|---|---|---|---|
| (1) Multiplexing | | | |
| DS4 to DS1 - Per arrangement | MXA++ | ICB | None |
| DS3 to DS1 - Per arrangement | MXB++ | ICB | None |
| DS2 to DS1 - Per arrangement | MXD++ | ICB | None |
| DS1C to DS1 - Per arrangement | MXH++ | ICB | None |
| DS1 to Voice* - Per arrangement | MQ1 | $225.16 (I) | $351.85 |
| DS1 TO DSO - Per arrangement | QMU | 634.02 (I) | None |
| DSO to Subrates - Per arrangement | | | |
| Up to 20 2.4 kpbs services | QSU24 | 518.51 (I) | None |
| Up to 10 4.8 kbps services | QSU48 | 267.25 (I) | 155.29 |
| Up to 5 9.6 kbps services | QSU96 | 185.79 (I) | 294.36 |

* A circuit of this DS1 to the hub can be used for Digital Data service. ICB rates and charges are filed in 11.12 following.

**7. Special Access Service (Cont'd)**

**7.11 High Capacity (Cont'd)**

**7.11.5 Rates and Charges (Cont'd)**

(C) Optional Features and Functions (Cont'd)

| | | USOC | Monthly Rates | | Nonrecurring Charges |
|---|---|---|---|---|---|
| (2) | Automatic Loop Transfer<br>- Per arrangement* | T59 | $446.55 | (I) | None |
| (3) | Transfer Arrangement (key activated** or dial up***)<br>- Per four port arrangement including control channel termination****) | USV | 189.75 | (I) | None |
| (D) | Network Channel Terminating Equipment (NCTE)#<br>- Per Point of termination where provided | | | | |
| | - 1.544 Mbps | TN615 | 97.42 | (I) | None |
| | - Automatic Loop Transfer | TN6AL | 1,028.11 | (I) | None |
| (E) | Cross Connect<br>- Per Each Interconnection | | | | |
| | - 1.5 Mbps connection | | 11.50 | (I) | |
| | - 45 Mbps connection | | 57.50 | (I) | |

* An additional Circuit Termination charge will apply whenever the spare line is provided as a let to the customer premises.

** The key activated control circuit is rated as a Metallic Circuit Termination (use USOC 1L5MX in lieu of 1L5XX)>

*** The Dial-up option requires the customer to purchase the Controller Arrangement (USOC XTDDU from Section 13.3.8.

**** An additional Circuit Termination charge will apply whenever a spare circuit is configured as a let to the customers premises. Additional circuit mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

\# NCTE will only be provided under tariff if it existed in the Telephone Company's inventory as of November 18, 1983.

**7. Special Access Service (Cont'd)**

**7.12 Individual Case Filing**

Rates and charges for Special Access Service provided on an individual case basis are filed following:

| Customer Name | Description and Location | Nonrecurring Charge (NRC) Monthly Rate (MRC) |
|---|---|---|
| NETC Video Network #MN9501008 | Analog Video Argyle, Hallock, Kennedy, Stephen and Warren, MN | NRC: ICB MRC: ICB |
| NETC Video Network #MN9501012 | Analog Video Warren, MN | NRC: ICB MRC: ICB |
| Little Crow Telemedia Network #MN9901088 | Analog Video Hutchenson, MN | NRC: ICB MRC: ICB |
| Cosmos High School #MN9701041 | Analog Video Cosmos, MN | NRC: ICB MRC: ICB |

## 8. Miscellaneous Services

In this section normally scheduled working hours are an employee's scheduled work period in any give calendar day (e.g., 7:00 a.m. to 4:00 p.m.) for the application of rates based on working hours. Basic Time is that time during normally scheduled working hours. Overtime is that time outside of normally scheduled working hours on scheduled working days. Premium Time is that time outside of normally scheduled working days.

A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. Work subject to Premium Time is always subject to a minimum charge of four hours.

### 8.1 Additional Engineering

Additional Engineering will be provided by the Telephone Company at the request of the customer or when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer's request.

Additional Engineering is provided when:

(A) A customer requests additional technical information beyond that normally included by the Telephone Company on the Design Layout Report (DLR) as set forth in 6.4 (F) and Section 11.1.6.

## 8. Miscellaneous Services (Cont'd)

### 8.1 Additional Engineering (Cont'd)

(B) Additional engineering time is incurred by the Telephone Company to engineer a customer's specific written request for a customized service or additional engineering activities which are not normally performed in the provision of services under this tariff.

The Telephone Company will notify the customer that Additional Engineering charges, as set forth in 8.1.1 following, will apply before any additional engineering is undertaken. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Telephone Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10 %.

## 8. Miscellaneous Services (Cont'd)

### 8.1 Additional Engineering (Cont'd)

#### 8.1.1 Charges for Additional Engineering

The charges for Additional Engineering are as follows:

Per Engineer, Per Hour, or Fraction Thereof

| Jurisdiction | Basic Time USOC: AEH | Overtime USOC: AEH | Premium Time USOC: AEH |
|---|---|---|---|
| CTC of Minnesota | $53.91 | $80.87 (I) | $107.82 |

## 8. Miscellaneous Services (Cont'd)

### 8.2 Additional Labor

Additional labor is that labor requested and authorized by the customer on a given service and agreed to by the Telephone Company as set forth in 8.2.1 through 8.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in 8.2.7 following will apply before any additional labor is undertaken.

**8.2.1 Overtime Installation** USOC: ALH

Overtime installation is that Telephone Company installation effort performed outside of normally scheduled working hours.

**8.2.2 Overtime Repair** USOC: ALH

Over time repair is that Telephone Company maintenance effort performed outside of normally scheduled working hours.

**8.2.3 Stand by** USOC: ALT

Stand by includes all time in excess of one-half (1/2) hour during which Telephone Company personnel stand by to make installation acceptance tests or cooperative tests with a customer on a given service.

**8.2.4 Maintenance with Other Telephone Companies**
USOC: ALK

Additional labor charges apply to additional maintenance or repair of facilities which connect to facilities of other telephone companies. This is in addition to the normal efforts required to maintain or repair facilities provided solely by the Telephone Company, as set forth in 2.1.1 (C).

**8. Miscellaneous Services (Cont'd)**

**8.2 Additional Labor (Cont'd)**

**8.2.5 Other Labor** USOC: ALK

Other labor is that additional labor not included in 8.2.1 through 8.2.4 preceding. This includes labor incurred to accommodate a specified customer request that involves only labor which is not covered by any other section of this tariff.

**8.2.6 Charges for Additional Labor**

The charges for additional labor are as follows:

Per Technician, Per Hour, or Fraction Thereof

| Jurisdiction | Basic Time USOC: AEH | Overtime* USOC: AEH | Premium Time** USOC: AEH |
|---|---|---|---|
| CTC of Minnesota | $38.20 | $57.30 | $76.40 |

* A call-out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** Subject to a minimum charge of four hours.

## 8. Miscellaneous Services (Cont'd)

### 8.3 Maintenance of Service

(A) The customer will be responsible for reporting troubles sectionalized to Telephone Company facilities and/or equipment. When trouble cannot be clearly sectionalized to the Telephone company facilities and/or equipment, the Telephone Company will test cooperatively or independently to assist in trouble sectionalization.

When a customer reports a trouble to the Telephone Company for clearance and no trouble is found in the Telephone Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Telephone Company personnel are dispatched to the customer's or customer's end user premises to when the work is completed. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

(B) The customer shall be responsible for payment of a Maintenance of Service charge when the Telephone Company dispatches personnel to the customer's premises, and the trouble is I equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the maintenance of Service Charge applies.

## 8. Miscellaneous Services (Cont'd)

### 8.3 Maintenance of Service (Cont'd)

(C) The charge for Maintenance of Service are as follows:

| Maintenance of Service Periods | USOC | Per Technician |
|---|---|---|
| Per occurrence | MVV | The charges for Maintenance of Service are the same as those set for Additional Labor as set forth in 8.2 preceding. |

## 8. Miscellaneous Services (Cont'd)

### 8.4 Additional Testing

Testing Services provides for the use of a Telephone Company technician in performing specific tests authorized by the customer including additional testing of facilities which connect to facilities of other telephone companies. Testing Services offered under this section of the tariff are optional and are in addition to acceptance tests and in-service tests performed by the Telephone Company as described in 6.4 (G) and Section 7.1. Testing Services are made subject to the availability of the necessary qualified personnel and test equipment at the requested test locations.

Testing Services consist of Additional Cooperative Acceptance Testing (ACAT) which is performed during installation of Access Services and Nonscheduled Testing (NST) which is performed after acceptance of Access Services by the customer. Rates and charges for Testing Service are set forth in 8.4(D) following.

The Telephone Company will provide, upon request, documentation that lists the results of the tests performed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

## 8. Miscellaneous Services (Cont'd)

### 8.4 Additional Testing (Cont'd)

(A) Additional Cooperative Acceptance Testing

Rates and charges for Additional Cooperative Acceptance Testing of Switched and Special Access Services apply per technician used.

(1) Switched Access Service

Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service is performed at the time of installation and involves the Telephone Company provision of a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests. The Telephone Company may, at the request of the customer, supply a technician at the customer's premises to perform the required tests.

Additional Cooperative Acceptance Testing may, for example, consist of the following tests:

. C-Notched Noise
. Impulse Noise
. Phase Jitter

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access

The Balloting and Allocation Process is an arrangement whereby:

- An end user may select or be allocated to an interexchange carrier (IC) to place intrastate, interLATA MTS/MTS-type calls without the 101XXXX access code. This IC is referred to as the end user's interLATA primary interexchange carrier (PIC).

- An end user may select or be allocated to an IC or local exchange carrier (LEC) to place intrastate, intraLATA MTS/MTS-type calls without the 101XXXX access code. This IC or LEC is referred to as the end user's intraLATA primary interexchange carrier (IPIC).

Balloting and allocation applies to agents of public and Semipublic Pay Telephone service whereby the agent may select or be allocated to an IC to place intrastate interLATA calls without dialing the 101XXXX access code.

Balloting and allocation also applies to agents of Semipublic Pay Telephone service whereby the agent may select or be allocated to an IC or LEC to place intrastate intraLATA calls without dialing the 101XXXX access code.

In the event that only one IC orders FGD or BSA-D to provide interLATA service or no IC or LEC orders FGD or BSA-D to provide intraLATA service from an end office in accordance with 5.1.2(A), the Balloting and Allocation Process for the PIC or IPIC set forth below will not apply.

On the effective date(s) of interLATA and intraLATA equal access (i.e., introduction of FGD or BSA-D in a serving end office), end users or agents who have not designated or been allocated to an IC or LEC will continue with the same IC or LEC service arrangement as existed prior to office conversion until the allocation process described in (B) occurs.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) End User and Agent Notification and Equal Access Balloting Process

(1) InterLATA Equal Access

End users and agents will be notified of the availability of equal access by means of an equal access ballot. ICs intending to participate in the Balloting Process for each serving end office must inform the Telephone Company in writing no later than 120 days prior to the end office conversion to FGD or BSA-D. The notification from ICs wishing to participate in pay telephone balloting must specify if the carrier will handle 0+ traffic only, both 0+ and 1+ traffic, or 0+ with 1+ traffic being handled by a secondary service provider. When 1+ coin traffic is handled by a secondary service provider, the participating IC must identify the secondary service provider. The initial ballot, the first of two ballots the end user and agent may receive, listing all ICs participating in the balloting process, and an explanation of equal access will be mailed to the end user and agent approximately 90 days prior to the end office conversion to FGD or BSA-D. IC names appearing on the ballot will be listed in a random fashion by end office to ensure that no IC will always appear first on the ballot. The IC listed on a pay telephone ballot will be the 0+ carrier.

Using the initial ballot, which end users and agents will be requested to return within 45 days after receipt, the end user or agent may designate an IC for all of its lines or may choose a different PIC for each of its lines. Where an end user has a multi-line hunt group and wants to designate several PICs for this hunt group, special arrangements may be made by contacting the Telephone Company.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) End User and Agent Notification and Equal Access Balloting Process (Cont'd)

(1) InterLATA Equal Access (Cont'd)

An agent may designate an IC for the 0+ traffic from a pay telephone. The 1+ traffic from the pay telephone may be handled by the selected 0+ carrier if the carrier handles 1+ traffic, by a secondary service provider designated by the 0+ carrier, or by the default carrier if the 0+ carrier has made no arrangements with the Telephone Company to receive 1+ pay telephone traffic.

A second ballot will be sent to an end user or agent who has not designated an IC, either by return of the initial ballot or by appearing on an IC Customer list. The second ballot will be sent 30 days after conversion of the end office. If the end user or agent does not respond to the second ballot by the requested date, then that end user or agent will be assigned to the allocated IC shown on the second ballot.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) End User and Agent Notification and Equal Access Balloting Process (Cont'd)

(2) IntraLATA Equal Access

When intraLATA and interLATA equal access is made available concurrently, end users and agents will be notified of the availability of equal access by means of an equal access ballot. ICs and LECs intending to participate in the Balloting Process for each serving end office must inform the Telephone Company in writing no later than 120 days prior to the end office conversion to FGD or BSA-D. The initial ballot, the first of two ballots the end user and agent may receive, listing all ICs and LECs participating in the balloting process, and an explanation of equal access will be mailed to the end user and agent approximately 90 days prior to the end office conversion to FGD or BSA-D. IC and LEC names appearing on the ballot will be listed in a random fashion by end office to ensure that no IC or LEC will always appear first on the ballot.

Using the initial ballot, which end users and agents will be requested to return within 45 days after receipt, the end user or agent may designate an IC or LEC for all of its lines or may choose a different IPIC for each of its lines. Where an end user has a multi-line hunt group and wants to designate several IPICs for this hunt group, special arrangements may be made by contacting the Telephone Company.

ICs and LECs wishing to participate in semipublic pay telephone balloting must be capable of handling both 0+ or 1+ intrastate intraLATA traffic.

**8. Miscellaneous Services (Cont'd)**

**8.5 Balloting and Allocation Process For Equal Access (Cont'd)**

(A) End User and Agent Notification and Equal Access Balloting Process (Cont'd)

(2) IntraLATA Equal Access (Cont'd)

A second ballot will be sent to an end user or agent who has not designated an IC or LEC, either by return of the initial ballot or by appearing on an IC or LEC Customer list. The second ballot will be sent 30 days after conversion of the end office. If the end user or agent does not respond to the second ballot by the requested date, then that end user or agent will be assigned to the allocated IC or LEC shown on the second ballot.

When intraLATA equal access is made available in an end office at some time after the end office has converted to interLATA equal access, the Balloting and Allocation process for the intraLATA IPIC will not apply.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(B) Allocation Process

An IC or LEC must notify the Telephone Company of its intent to participate in the allocation process 52 days prior to the end office conversion to equal access. The IC or LEC must also identify whether it will participate in the allocation of business lines, residence lines, or Public/Semipublic Pay Telephones or any combination.

The Telephone Company will tabulate the initial ballots received from the end users and agents described in 8.5(A) and the IC and LEC Customer lists described in 8.5(C). The percentage of end users and agents who have selected a participating IC or LEC will be determined from these ballots and lists. These percentages will be used for the allocation of end users and agents who did not respond to the initial ballot or appear on an IC or LEC list. The percentages used for allocation will be determined approximately five days after end office conversion. A second ballot, indicated in 8.5(A), will be sent to end users and agents who have been allocated to an IC or LEC.

Separate allocation processes will be used for residence, business and Public and Semipublic Pay Telephone lines. The number of end users and agents designating an IC or LEC by returning the initial ballot or appearing on an IC or LEC end user and/or agent list will be totaled. This total will be utilized to compute the percentages used for allocation of residence and business Customers and Public/Semipublic Pay Telephone Customers.

If an IC or LEC participating in the ballot process notifies the Telephone Company that it does not wish to participate in the allocation process, the percentage of Customers allocable to that nonparticipating IC or LEC will be allocated to the remaining ICs and LECs.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(C) Interexchange Carrier Customer Lists

The Telephone Company will accept IC and LEC Customer lists identifying end users and agents who have made individual arrangements with the IC or LEC to designate the IC or LEC as their primary long distance carrier. The list should be in the form of magnetic tape or paper printout. IC and LEC lists may continue to be received after the initial ballot deadline. All lists must be submitted to the Telephone Company no later than 20 days prior to the end office conversion to be included in the allocation process. If end user and agent ballots are received by the IC or LEC, the end user and agent will be included in the IC or LEC Customer list. The IC or LEC must retain the actual ballots for inspection by the Telephone Company for a period of one year after end office conversion.

(D) End User Choice Discrepancy

An IC or LEC is required to certify at the time it submits end user and/or agent lists to the Telephone Company that it has on file, or has instituted steps designed to obtain signed letters of agency or confirmations of choice from the end user or agent. The IC or LEC is not required to submit letters of agency when submitting end user or agent lists to the Telephone Company, but should maintain the confirmations or letters on file for use in dispute resolution. The IC or LEC should request written confirmation of choice from its Customers no later than the date of submission of its first bill to the Customer.

When an end user or agent indicates more than one PIC or IPIC per line or returns an illegible ballot, the Telephone Company will contact the end user or agent for clarification.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(D) End User Choice Discrepancy (Cont'd)

When the Telephone Company identifies a conflict between a ballot and an IC or LEC list, or between lists submitted by two or more ICs and/or LECs, the Telephone Company will notify, within 10 days, all affected ICs and LECs via a conflict report. Those ICs and LECs not involved in any conflicts will receive a zero conflict report from the Telephone Company.

When an end user or agent returns a ballot to the Telephone Company and also appears on a conflicting IC or LEC Customer list, the ballot takes precedence. If an end user or agent appears on two or more IC or LEC Customer lists, the end user or agent will be allocated along with the nonrespondents to the initial ballot. A letter sent with the second ballot will inform the end user or agent that there exists a conflict between two or more ICs and/or LECs and a selection must be made by the deadline of the second ballot, unless the allocated IC or LEC indicated is the end user's or agent's choice.

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones

(1) InterLATA Equal Access

The balloting and allocation of Public and Semipublic Pay Telephone lines is furnished in accordance with the provisions of the Memorandum of the U.S. District Court for the District of Columbia in United States vs. GTE Corporation (C.A. No. 83-1298), issued December 23, 1988.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(1) InterLATA Equal Access (Cont'd)

The balloting and allocation process is a procedure whereby an agent of Public and Semipublic Pay Telephone service may select and designate to the Telephone Company an IC to access, without dialing an access code, for 0+ interLATA calls. This IC is referred to as the agent's primary IC. The 1+ interLATA calls from a pay telephone will be handled by the agent's primary IC if the IC handles 1+ traffic, by a secondary service provider selected by an agent's primary IC, or by the default carrier if the agent's primary IC has made no arrangements for handling 1+ traffic from a pay telephone.

If the agent's primary IC elects not to submit an order for its 1+ interLATA sent-paid traffic or fails to select a secondary service provider to handle its 1+ interLATA calls from the Telephone Company's pay telephones, the 1+ interLATA coin sent-paid traffic will continue to be routed to the existing 1+ default carrier (provided such carrier continues to accept it) until the 0+ carrier notifies the Telephone Company.

The Telephone Company will notify agents of Public and Semipublic Pay Telephones of the availability of equal access through the mailing of an Equal Access Ballot. The mailing of the initial ballots will take place 90 days prior to conversion.

Agents of Public and Semipublic Pay Telephones will be requested to return their respective ballot to the Telephone Company within 45 days from receipt of the ballot.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(1) InterLATA Equal Access (Cont'd)

An IC obtaining service commitments from agents directly, must obtain signed authorization from those agents. The IC will be required to provide that authorization to the Telephone Company within 30 days of the Telephone Company's request for the resolution of disputes.

Agents of Public and Semipublic Pay Telephones who have not made a primary IC selection, either through the Payphone Equal Access Ballot, or directly with an IC, will be sent a second ballot by the Telephone Company 30 days after the conversion date.

The Telephone Company will tabulate the initial ballots received from the agents and the IC Customer lists. The percentage of agents who have selected a participating IC will be determined from these ballots and lists. These percentages will be used for the tentative allocation of agents who did not respond to the initial ballot or appear on an IC list. The percentages used for allocation will be determined approximately five days after end office conversion.

If an IC participating in the ballot process notifies the Telephone Company that it does not wish to participated in the allocation process, the percentage of Customers allocable to that nonparticipating IC will be allocated to the remaining ICs.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(1) InterLATA Equal Access (Cont'd)

The Telephone Company will make post conversion changes in a Public and/or Semipublic Pay Telephone agent's PIC assignment pursuant to an IC provided list. Should an agent dispute authorization for an IC submitted change within 90 days of the PIC assignment to the IC, and if the IC cannot produce a letter of agency or confirmation of choice from the agent within 30 days of a request by the Telephone Company to do so, the Telephone Company will place the public or semipublic telephone on the agent's previously selected IC network. the IC will be billed one unauthorized PIC change charge in 8.5(M) for the change to the disputed network and one PIC change charge in 8.5(L) for returning the public or semipublic telephone to its originally selected IC network.

If the IC produces the letter of agency of confirmation of choice within 30 days of the request by the Telephone Company to do so, and if the service of the disputing agent has been switched back to its originally selected IC network, the agent will be billed two PIC change charges in 8.5(L) in lieu of charges to the IC, one for the switch to the IC providing the letter of agency or confirmation of choice and one for the subsequent switch back to the agent's original IC.

**8. Miscellaneous Services (Cont'd)**

**8.5 Balloting and Allocation Process For Equal Access (Cont'd)**

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(2) IntraLATA Equal Access

The balloting and allocation of Semipublic Pay Telephone lines is furnished in accordance with the provisions of the Commission's Order in Docket No. P-999/CI-87-697 which authorizes the selection of intraLATA 1+ and 0+ presubscribed carriers for payphones.

The balloting and allocation process is a procedure whereby an agent of Semipublic Pay Telephone service may select and designate to the Telephone Company an IC or LEC to access, without dialing an access code, for 0+ and 1+ intraLATA calls. This IC or LEC is referred to as the agent's primary intraLATA carrier.

The Telephone Company will notify agents of Semipublic Pay Telephones of the availability of equal access through the mailing of an Equal Access Ballot. The mailing of the initial ballots will take place 90 days prior to conversion.

Agents of Semipublic Pay Telephones will be requested to return their respective ballot to the Telephone Company within 45 days from receipt of the ballot.

An IC or LEC obtaining service commitments from agents directly, must obtain signed authorization from those agents. The IC or LEC will be required to provide that authorization to the Telephone Company within 30 days of the Telephone Company's request for the resolution of disputes.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(2) IntraLATA Equal Access (Cont'd)

Agents of Semipublic Pay Telephones who have not made a primary intraLATA carrier selection, either through the Payphone Equal Access Ballot, or directly with an IC or LEC, will be sent a second ballot by the Telephone Company 30 days after the conversion date.

The Telephone Company will tabulate the initial ballots received from the agents and the IC/LEC customer lists. The percentage of agents who have selected a participating intraLATA carrier will be determined from these ballots and lists. These percentages will be used for the tentative allocation of agents who did not respond to the initial ballot or appear on an IC/LEC list. The percentages used for allocation will be determined approximately five days after end office conversion.

If an IC or LEC participating in the ballot process notifies the Telephone Company that it does not wish to participated in the allocation process, the percentage of Customers allocable to that nonparticipating intraLATA carrier will be allocated to the remaining intraLATA carriers.

**8. Miscellaneous Services (Cont'd)**

**8.5 Balloting and Allocation Process For Equal Access (Cont'd)**

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(2) IntraLATA Equal Access (Cont'd)

The Telephone Company will make post conversion changes in a Semipublic Pay Telephone agent's IPIC assignment pursuant to an IC or LEC provided list. Should an agent dispute authorization for an IC or LEC submitted change within 90 days of the IPIC assignment to the IC or LEC, and if the IC or LEC cannot produce a letter of agency or confirmation of choice from the agent within 30 days of a request by the Telephone Company to do so, the Telephone Company will place the semipublic telephone on the agent's previously selected intraLATA carrier network. The IC or LEC will be billed one unauthorized IPIC change charge in 8.5(M) for the change to the disputed network and one IPIC change charge in 8.5(L), for returning the semipublic telephone to its originally selected intraLATA carrier's network.

If the IC or LEC produces the letter of agency of confirmation of choice within 30 days of the request by the Telephone Company to do so, and if the service of the disputing agent has been switched back to its originally selected intraLATA carrier's network, the agent will be billed two IPIC change charges in 8.5(L) in lieu of charges to the IC, one for the switch to the IC or LEC, one for the switch to the IC or LEC providing the letter of agency or confirmation of choice and one for the subsequent switch back to the agent's original intraLATA carrier.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(F) PIC and IPIC Charge Application

Initial end user, end user agent and a local service provider that resells services (herein referred to as reseller) selection of a PIC by ballot or appearing on an IC or, for intraLATA service, a LEC list will not incur a charge. A change of PIC selection prior to the end office conversion to interLATA equal access will not incur a charge. A change of IPIC selection prior to the end office conversion to intraLATA equal access will not incur a charge. Notification of a change in a PIC or IPIC may be coordinated by the end user, end user agent or reseller with either the IC or LEC selected or with the Telephone Company, if it is not the selected LEC. If the customer changes both the PIC and the IPIC on the same order, only one charge (the PIC) will apply. Within six months after conversion to equal access, an end user, end user agent or reseller allocated to an IC or LEC may elect to change to another IC or LEC at no charge, on a one-time basis. After the six month period has elapsed, a nonrecurring charge in 8.5(L) will apply to change the PIC or IPIC. After conversion to equal access, end users, end user agents or resellers who select an IC or LEC by returning the initial ballot will be charged for each change made.

In end offices converted to Equal Access new end users, end user agents or resellers of Pay Telephones and multi-party end users who upgrade to individual lines must presubscribe to the PIC and/or IPIC of their choice at the time an order is placed for service. The IPIC may be an IC or LEC (the Telephone Company or another LEC). Upon the end user, end user agent's or reseller's selection of the PIC and/or IPIC, at the time of placing an order, a confirmation notice will be sent identifying the IC selected as the PIC and/or the IC or LEC selected as the IPIC. From the date of the confirmation notice, he will have 90 days to change his presubscription selection without a charge. If a PIC and/or

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(F) PIC and IPIC Charge Application (Cont'd)

IPIC is not chosen at the time the order for service is submitted, the end user, end user agent or reseller will be sent a confirmation notice which contains a list of ICs with FGD or BSA-D providing interLATA service and/or a list of ICs and LECs providing intraLATA service, and will be informed that they have 90 days to contact the IC and/or LEC of their choice or the Telephone Company to apply for the PIC or IPIC arrangement. If notice is received by the Telephone Company within 90 days of the in-service date for local service or upgrade, no charge will be billed to the end user, end user agent or reseller. If notice is received after 90 days, the end user or agent will be billed a nonrecurring charge for each PIC or IPIC as in 8.5(L). Until the end user, end user agent or reseller receives service from the selected carrier, he may access the carrier of his choice by dialing the appropriate 101XXXX carrier identification code.

The Telephone Company will make post conversion changes in the end user's, end user agent's or reseller's PIC or IPIC assignment pursuant to an IC or LEC provided list of Customers, accepted by the Telephone Company under conditions in (C) and (D). Post conversion changes in a PIC assigned to a Pay Telephone will be made under the conditions set forth in 8.5(E). Should an end user, end user agent or reseller dispute authorization of the change within 90 days of the PIC or IPIC assignment, and if the IC or LEC cannot produce a letter of agency or confirmation from the end user, end user agent or reseller, the Telephone Company will place the end user on the previous IC or LEC network where possible and the IC or LEC will be billed according to the following options:

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(F) PIC and IPIC Charge Application (Cont'd)

(1) If the IC or LEC has previously submitted a letter requesting the Telephone Company to settle end user disputes without investigation, the carrier will be charged two PIC or IPIC change charges, in 8.5(L). One PIC or IPIC change charge is for the change to the disputed carrier and one is for placing the end user on his previous carrier network or the carrier network of his choice. By virtue of the carrier's letter requesting no investigation, the Telephone Company will perform no investigation and will not accept nor request at a later date any letter of authorization regarding an end user's disputed PIC or IPIC assignment. This option does not apply to Pay telephones nor Coinless telephone lines. This option also does not relieve the IC or LEC of the conditions set forth in (C) and (D) preceding.

(2) If the IC or LEC does request in writing that end user PIC or IPIC disputes be resolved with investigation as in (1) preceding, the carrier will be billed one Unauthorized PIC or IPIC charge, in 8.5(M), for the change to the disputed carrier and one PIC or IPIC change charge, in 8.5(L), for placing the end user on the carrier network of his choice.

If, under (2) preceding, the IC or LEC produces the letter of agency or confirmation of choice within 30 days of the Telephone Company request, the end user, end user agent or reseller will be billed two PIC or IPIC charges in 8.5(L) in lieu of charges to the IC or LEC. Charges are only applicable if a change in an end user's, end user agent's or reseller's carrier selection has actually been implemented in the switch.

**8. Miscellaneous Services (Cont'd)**

**8.5 Balloting and Allocation Process For Equal Access (Cont'd)**

(G) Multi-party End Users

Multi-party end users will continue with the same carrier service arrangement which existed prior to the end office conversion. However, multi-party end users may access the carrier of their choice by dialing the appropriate 101XXXX carrier identification code. In certain suitably equipped end offices, two-party Customers may subscribe to the carrier of their choice.

(H) Cancellation of a Carrier Participation

If an IC or LEC cancels all of its FGD or BSA-D service in the converting end office prior to the conversion date or discontinues all of its FGD or BSA-D service within two years after the introduction of FGD or BSA-D in the converting end office, the carrier is obligated to do the following:

(1) Notify the Telephone Company of the cancellation of their FGD or BSA-D service, and

(2) Contact in writing all end users, end user agents or resellers who have selected, or been allocated to, the canceling carrier as their PIC or IPIC, inform these end users, end user agents or resellers of the cancellation, request the end users, end user agents or resellers to select a new PIC or IPIC, and state that the canceling carrier will pay the nonrecurring charge as set forth in 8.5(L).

The Telephone Company will bill the canceling IC or LEC for a period of two years from the discontinuance of FGD or BSA-D service, the nonrecurring charge as set forth in 8.5(L) for each end user, end user agent or reseller, this carrier has currently designated to it. Such charge will not apply to the canceling carrier where the canceling IC or LEC transfers or assigns its FGD or BSA-D services and the associated 101XXXX code to another carrier in such manner that the Telephone Company does not change end user, end user agent or reseller records or if another carrier elects to pay nonrecurring charge on behalf of the canceling IC or LEC.

## 8. Miscellaneous Services (Cont'd)

### 8.5 Balloting and Allocation Process For Equal Access (Cont'd)

(I) Liability of the Telephone Company

If through the fault of the Telephone Company, the end user, end user agent or reseller is not subscribed to its chosen PIC or IPIC, the nonrecurring charges in 8.5(L) and 8.5(M) do not apply to reassign the end user, end user agent or reseller to his chosen PIC or IPIC.

(J) (Reserved for Future Use)

(K) Carrier Desired Due Date (ICDDD) for PIC or IPIC Installation

An IC or LEC may request a desired due date for PIC or IPIC installation for a specific, single end user, end user agent or reseller acting on behalf of an end user post equal access conversion. This ICDDD is a mutually agreed upon negotiated due date, determined to be between 3 and 45 business days from the date of receipt of the order. The carrier must coordinate the ICDDD with the Telephone Company prior to sending in the first order.

The ICDDD does not apply to routine lists provided by the carrier, as set forth in 8.5(C) and (D). The Nonrecurring Charge for PIC or IPIC as set forth in 8.5(L), applies to each line converted to the carrier requesting ICDDD. This charge will be billed to the carrier's end user Customer.

**8. Miscellaneous Services (Cont'd)**

**8.5 Balloting and Allocation Process For Equal Access (Cont'd)**

(L) Presubscription Change Charge

(T)
(N)

The Presubscription Change Charge is a nonrecurring charge that varies based on the type of PIC Change Order that is submitted. Rates for manually submitted orders will typically be higher than rates for electronically submitted orders. When a customer requests only an interLATA PIC Change, the interLATA Presubscription Change Charge found in Citizens Telecommunications Companies Tariff FCC No. 1 will apply. When a customer requests only an intraLATA PIC Change, the charge from this tariff will apply. When a customer requests both interLATA and intraLATA Presubscription changes to the same phone number on the same order, a lower rate applies.

**Presubscription Change Charge**

**IntraLATA PIC Charge* – per line or trunk:**

| | |
|---|---|
| Manual Change | $5.50 |
| Electronic Change | $1.25 |

**IntraLATA PIC Change Charge* – when made simultaneously with interLATA PIC Change, per line or trunk:**

| | |
|---|---|
| Manual Change | $2.75 |
| Electronic Change | $0.63 |

(M) The nonrecurring charges for Unauthorized PIC or IPIC changes are as follows:

(N)

| | Nonrecurring Charge | GSEC |
|---|---|---|
| (1) Per Telephone Company Local Business or Residence Service Line or Trunk | $13.80 | NEPSUBR (PIC)<br>NAAPSUBR (IPIC) |

## 8. Miscellaneous Services (Cont'd)

### 8.6 Protective Connecting Arrangements

The following Protective Connecting Arrangements (PCAs) are grandfathered and are offered on the basis of on-the-shelf availability:

| Description | USOC | Monthly Rates | Nonrecurring Charges |
|---|---|---|---|
| Automatic PCA with a contact type signaling interface for 2 or 4-wire voice-band connections of CPE communications systems to Telephone company Special Access Services. | CDQ | $5.85 | |
| Automatic PCA for connection of a customer, authorized user or joint user provided communications system arranged for CPE dial or automatic channel signaling, to a Telephone Company Special Access Service which terminates at the distant end in a telephone company-provided PBX arranged for dial or automatic signaling (4 wire). | C234W | 10.10 | $87.15 |
| PCA which provides for connection of CPE automatic telephone answering devices to central office, PBX trunk, key system lines, and centrex station lines by means of a 2-wire interface. | PA6++ | ICB rates and charges apply | |
| PCA for connection of CPE Answering or recording equipment to Telephone Company lines, for one-way voice transmission in each direction but not simultaneously. Recording of two-way conversations is prevented, by the PCA. | RDL | 5.40 | 30.75 |

**8. Miscellaneous Services (Cont'd)**

**8.6 Protective Connecting Arrangements (Cont'd)**

| Description | USOC | Monthly Rates | Nonrecurring Charges |
|---|---|---|---|
| PCA for use with CPE answer only equipment where two-way transmission is required | PFZ++ | ICB rates and charges apply | |
| Same application as PFZ++ with voice control disconnect and automatic receive volume limiting. | PF9++ | ICB rates and charges apply | |
| PCA for use with CPE to provide data on PBX trunks. Also requires standard PBX trunk PCA. | PGA++ | ICB rates and charges apply | |
| PCA to permit connection of CPE message registers to exchange facilities of the Telephone Company for indications of message registration for outgoing calls over the associated central office trunks (facilities). Each trunk would also have a PCA (typically CDH or CD8) for connection of the CPE PBX. Association of the trunk with the Station is make by the CPE. | PGB++ | ICB rates and charges apply | |
| Alarm coupler for use with rotary dial one-way transmission CPE alarm signaling device. | PGH++ | ICB rates and charges apply | |

**8. Miscellaneous Services (Cont'd)**

**8.6 Protective Connecting Arrangements (Cont'd)**

| Description | USOC | Monthly Rates | Nonrecurring Charges |
|---|---|---|---|
| PCA to permit the connection of CPE to a Telephone Company special recording trunk arranged for 2-way service, i.e., outward dialing by hotel/motel guests and rering by the operator of the Telephone Company long distance switchboard (the equivalent of a toll terminal). | PDA++ | ICB rates and charges apply | |
| For termination of CPE tie lines, with CPE channel signaling, in Centrex systems 4-wire. | C2H | $7.20 | $21.60 |
| PCA used for automatic connection of CPE voice transmitting and/or receiving terminal equipment to an exchange line or PBX/CTX station line, or to a WATS Access Line. | C2ACP | 9.40 | 7.80 |
| PCA to provide for connection of CPE terminal equipment to Telephone Company central office key system and PBX station lines and WATS Access lines via 3-wire interface. | PDJ++ | ICB rates and charges apply | |

**8. Miscellaneous Services (Cont'd)**

**8.6 Protective Connecting Arrangements (Cont'd)**

| Description | USOC | Monthly Rates | Nonrecurring Charges |
|---|---|---|---|
| PCA for connection of CPE voice communications systems and/or terminal equipment via 2-wire interface to Telephone Company lines and trunks (only loop start trunks not equipped for toll diversion), or terminal equipment. | PDK++ | ICB rates and charges apply | |
| Manual PCA used to connect a cord switchboard position of CPE system, which provides supervisory signals, to an exchange trunk line. | PDQ++ | ICB rates and charges apply | |
| Automatic PCA used to connect an exchange trunk line arranged for two-way combination service to and from the attendant position and from the dial switching equipment of a CPE system. | CDH | $10.45 | $39.05 |
| Automatic PCA used to connect an exchange trunk line arranged for one-way incoming service to the attendant position of a CPE system. | PDV++ | ICB rates and charges apply | |
| Automatic PCA used to connect an exchange trunk line arranged for one-way outgoing service from the attendant position of a CPE system. | PDZ++ | ICB rates and charges apply | |

**8. Miscellaneous Services (Cont'd)**

**8.6 Protective Connecting Arrangements (Cont'd)**

| Description | USOC | Monthly Rates | Nonrecurring Charges |
|---|---|---|---|
| Automatic PCA used to connect an exchange trunk line arranged for one-way outgoing service from the dial switching equipment of a CPE system. | PFA++ | ICB rates and charges apply | |
| Automatic PCA used to connect an exchange trunk line arranged for one-way service, to and from the attendant position of a CPE system. | CE9 | $7.80 | $39.05 |
| PCA used for automatic connecting of CPE voice transmitting and/or receiving terminal equipment bridged to an exchange line or PBX/CTX station line, or to a Switched Access line, e.g., WATS access Line, which is terminated in a Telephone Company station. | C2AKS | 9.40 | 7.80 |
| Automatic PCA used to connect an exchange trunk line, arranged for one-way service, i.e., outward dialing by hotel/motel guests to the operator position of a Telephone Company long distance switchboard (the equivalent of a toll terminal). | PFV++ | ICB rates and charges apply | |
| PCA to provide for connection of CPE originate only or originate and answer terminal equipment. | PFW++ | ICB rates and charges apply | |

## 8. Miscellaneous Services (Cont'd)

### 8.7 Miscellaneous Equipment

(A) Controller Arrangement

This arrangement enables the customer to control up to 48 transfer functions at a Telephone Company central office via a remote keyboard terminal capable of either 300 or 1200 bps operation. Included as part of the Controller Arrangement is a dial-up data station located at the Telephone Company Central Office to provide access to the Controller arrangement. This dial-up data station consists of a 212A DATAPHONE data set and an appropriate Telephone Company provided channel.

The Controller Arrangement must be located in the same Telephone Company central office as the transfer functions which it controls.

| | USOC | Monthly Charge |
|---|---|---|
| Per arrangement | XTDDU | $100.00 |

## 8. Miscellaneous Services (Cont'd)

### 8.8 Restoration Priority

The Telephone Company will arrange a Special Access Service for Restoration Priority on receipt of certification in conformance with Part 64, Subpart D, Appendix A of the Federal Communications Commission's Rules and Regulations. A charge applies when a request to provide of change a Restoration Priority is received subsequent to the issuance of an Access Order to install the service. No charge applies when a Restoration Priority is discontinued.

| | Nonrecurring Charge |
|---|---|
| Restoration priority, | |
| Per service arranged | $104.02 |

**8. Miscellaneous Services (Cont'd)**

**8.9 Standard Jacks – Registration Program**

Standard jacks are provided by the Telephone Company to connect Registered Equipment to those services that are subject to the Registration Program as set forth in 2.5 preceding. The use of jacks is covered in Part 68 of the FCC's Rules and Regulations. Specific jacks are described in the document on file with the FCC entitled "Descriptions of Standard Registration Program Connection Configurations Supplementing configurations Described in Subpart F of Part 68 of FCC's Rules and Regulations."

These jacks are used to terminate services provided by the Telephone Company. Other services or facilities provided by the Telephone Company or by others may also be terminated in any space capacity of the jacks remaining after installation without additional charge for the use of such capacity.

The nonrecurring charges, which include installation, for standard jacks and their typical uses are set forth following:

| | | USOC | Nonrecurring Charges |
|---|---|---|---|
| (A) | Standard Voice Jacks | | |
| (1) | Miniature six-position jacks for connection of terminal equipment as follows: | | |
| (a) | Single line telephone set surface or flush mounted. | RJ11C | $10.00 |
| (b) | Single line telephone sets wall mounted. | RJ11W | 10.00 |

**8. Miscellaneous Services (Cont'd)**

**8.9 Standard Jacks – Registration Program (Cont'd)**

(A) Standard Voice Jacks (Cont'd)

(1) (Cont'd)

| | | USOC | Nonrecurring Charges |
|---|---|---|---|
| (c) | Two-line nonkey telephone sets surface or flush mounted. | RJ14C | $10.00 |
| (d) | Single-line bridged 4-wire exchanged 2/RT, T1/R1 | RJ1DC | 10.00 |
| (e) | Two-line nonkey telephone sets wall mounted | RJ14W | 10.00 |
| (f) | Special single line equipment for use in hospital critical care areas. | RJ17C | 10.00 |
| (g) | 9DB single line data equipment with mode indication and mode indication common leads. This jack is normally used in association with a series jack. | RJ16X | 10.00 |
| (h) | Three-line non-key telephone sets and ancillary devices. | RJ25C | 49.00 |

**8. Miscellaneous Services (Cont'd)**

**8.9 Standard Jacks – Registration Program (Cont'd)**

(A) Standard Voice Jacks (Cont'd)

(2) 50 Position Miniature Ribbon for connection of multiline terminating equipment and channel derivation devices as follows:

| | | USOC | Nonrecurring Charges |
|---|---|---|---|
| (a) | For connection to 2-wire tie trunks E&M type I signaling. (12 line capacity) | RJ2EX | $160.00 |
| (b) | For connection to 4-wire tie trunks E&M type I signaling. (8 line capacity) | RJ2GX | 160.00 |
| (c) | For connection to 2-wire tie trunks E&M type II signaling. (8 line capacity) | RJ2FX | 160.00 |
| (d) | For connection to 4-wire tie trunks E&M type II signaling. (6 line capacity) | RJ2HX | 160.00 |
| (e) | For connection to off-premises station lines. (25 lines capacity) | RJ21X | 160.00 |
| (f) | For use with series devices such as toll restrictors. (12 line capacity) | RJ71C | 105.00 |
| (g) | For connection of up to 12 line bridged 4-wire exchange 2/RT, T1/R1. | RJ2DX | 100.00 |

**8. Miscellaneous Services (Cont'd)**

**8.9 Standard Jacks – Registration Program (Cont'd)**

(A) Standard Voice Jacks (Cont'd)

(3) Series Jacks for connection of terminal equipment as follows:

| | | USOC | Nonrecurring Charges |
|---|---|---|---|
| (a) | Single line alarm reporting devices | RJ31X | 66.00 |
| (b) | Series ancillary devices such as automatic dialers. Single line sets with exclusion. | RJ32X | 66.00 |
| (c) | Two line telephone sets with exclusion on one line. | RJ37X | 66.00 |

(4) Weatherproof Jack for use with single line telephone sets used at locations such boats and marinas. RJ15C 120.00

(B) Standard Data Jacks

| | USOC | Nonrecurring Charges |
|---|---|---|
| (1) Universal Data Jack for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment. (1 line capacity) | RJ41S | $65.00 |
| (2) Programmed Data Jack for use in connecting programmed data equipment. (1 line capacity) | RJ45S | 65.00 |

**8. Miscellaneous Services (Cont'd)**

**8.9 Standard Jacks – Registration Program (Cont'd)**

(B) Standard Data Jacks (Cont'd)

| | | USOC | Nonrecurring Charges |
|---|---|---|---|
| (3) | Multiple Line Universal Data Jack for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment. This jack will terminate up to eight lines. The selection of this jack requires the use of the equipment listed following. | RJ26X | $250.00 |
| | (a) Multiple Line Universal Data Jack Circuit Cards. For use with RJ26X . One Circuit card per circuit required. | RJ26S | 79.00 |
| | (b) Multiple Line Universal Data Jacking Mounting Options. For use with RJ26X. One required Per RJ26X. | | |
| | - Wall mounting with cover | RJM3X | 45.00 |
| | - Rack Mounting (19 inch or 23 inch) | RJM4X | 28.00 |

## 8. Miscellaneous Services (Cont'd)

### 8.10 Billing Name and Address Services

The Telephone Company will, upon request, provide Billing Name and Address Services (BNAS) to a Telecommunications Service Provider (customer), or its authorized billing and collection agent. Telecommunications Service Providers include interexchange carriers, operator service providers, enhanced service providers, and any other provider of intrastate telecommunications services. There are three BNAS offerings available pursuant to this tariff, Per Call/Periodic BNA, Data Gathering Service (DGS), and End User Validation List.

#### 8.10.1 Per Call/Periodic BNA and Data Gathering Service

Per Call/Periodic BNA is the billing name and address information and Data Gathering is the billing telephone number, name, address and associated working telephone number information for customer provided ten digit end user telephone numbers required by the Telecommunications Service Provider customer to bill for calls placed within a specific time period. Per Call/Periodic BNA and DGS are offered subject to the conditions set forth in the following:

A standard format for the receipt and provision of telephone number and billing name and address information will be established by the Telephone Company. Charges for each Per Call/Periodic BNA searched for and found or searched for and not found will be billed at rates in 8.10.3(A). Charges for each record accessed for DGS are set forth under 8.10.3(B). Per Call/Periodic BNA and DGS will be provided via magnetic tape, electronic transmission, or paper format, at the option of the customer, at rates in 8.10.3(A) or 8.10.3(B). The processing fee will be applied on a per state basis, once per calendar year for BNAS processing done within that calendar year.

The customer must order Per Call/Periodic BNA or DGS and provide test data tape at least 30 days prior to delivery of the first customer order.

## 8. Miscellaneous Services (Cont'd)

### 8.10 Billing Name and Address Services (Cont'd)

#### 8.10.1 Per Call/Periodic BNA and Data Gathering Service (Cont'd)

The frequency for receipt of the customer provided orders for Per Call/Periodic BNA or DGS will be no more than twice monthly and at intervals mutually agreed upon between the Telephone Company and the customer. The customer provided end user telephone numbers will be programmed by the Telephone Company with the proper end user's billing name and address contained in the Telephone Company's file at that time.

Per Call/Periodic BNA and DGS information for end user telephone numbers will be provided unless the end user provides notice of nonconsent to the Telephone Company of nonconsent to the release of the BNA/DGS data. Within 30 days of receipt of such notice, the Telephone Company will discontinue disclosure of the end user BNA/DGS data.

For other than electronic transmission, the output records will be sent to the customer via first class U. S. Mail. The output records will normally be made available for mailing ten workdays after receipt of the customer order or at an interval mutually agreed upon. Availability may be delayed in case of input errors in the customer provided order.

The customer may request data be transmitted. Data transmission charges will be determined on an ICB. Data transmission hardware and software specifications will be mutually agreed upon by the Telephone Company and the customer.

Per Call/Periodic BNA and DGS detail will not be retained by the Telephone Company longer than 45 days. If the customer requests that the output be made available on a second occasion, such request must occur within 30 days from the date the first was made.

## 8. Miscellaneous Services (Cont'd)

### 8.10 Billing Name and Address Services (Cont'd)

#### 8.10.1 Per Call/Periodic BNA and Data Gathering Service (Cont'd)

Any customer, provided Per Call/Periodic BNA or DGS pursuant to this tariff, agrees to abide by all applicable rules, decisions, orders, statutes and laws concerning the disclosure of published and nonpublished telephone numbers, and further agrees to use the information contained therein only for the purpose of billing for services provided to their end users.

In no case shall any customer or authorized billing and collection agent of a customer disclose the billing name and address information of any subscriber to any third party, except that a customer may disclose BNA/DGS information to its authorized billing and collection agent or to governmental law enforcement agencies.

## 8. Miscellaneous Services (Cont'd)

### 8.10 Billing Name and Address Services (Cont'd)

#### 8.10.2 End User Validation List

End User Validation Lists provide for the disclosure of end user billing name and address information only, that is available from the Telephone Company's records, to a Telecommunications Service Provider (customer), for purposes other than billing, and in compliance with the conditions set forth in Part 64.1201(c)(1) of the FCC's Rules and Regulations. In addition, End User Validation List Service is offered subject to the following:

Standard End User Validation Lists will be provided in three (3) files, business, coin (semi-public and public paystations) and residence. Nonlisted/nonpublished information will be excluded, with the exception of nonlisted public paystations. The lists may be ordered on a national, multi-state or state level basis, at the option of the customer, for any of the Telephone Company's jurisdictions subject to this tariff, unless prohibited by federal regulation or federal statute. Rates for the standard End User Validation List are set forth under 8.10.3(C).

Per calendar year, the customer may request up to two (2) lists per state for business, coin, and residence listings.

A standard format will be established by the Telephone Company. Requests for special list sorts will be limited to an end user list separating those that are presubscribed to the requesting customer, and/or those that are not. The rate, per record, applicable to special sorts is set forth under 8.10.3(C).

Each request shall be treated as a new request. Requests for updates from previous lists will not be provided.

The customer shall have fifteen (15) business days from the date of delivery of a list to request any investigation of issues arising from the provision of the list.

## 8. Miscellaneous Services (Cont'd)

### 8.10 Billing Name and Address Services (Cont'd)

#### 8.10.2 End User Validation List (Cont'd)

End User Validation Lists will normally be provided to the customer within thirty calendar days after receipt of a request and within ten (10) business days of extraction, or at an interval mutually agreed upon. The administrative fee set forth under 8.10.3(C) applies per request, whether ordered on a per state, multi-state, or national level.

In no case shall any customer or authorized billing and collection agent of a customer disclose the billing name and address information of any subscriber to any third party, except that a customer may disclose BNA/DGS information to its authorized billing and collection agent or to governmental law enforcement agencies.

**8. Miscellaneous Services (Cont'd)**

**8.10 Billing Name and Address Services (Cont'd)**

**8.10.3 Rates and Charges**

(A) Per Call/Periodic BNA

| | Billing Name and Address Found/Each | Billing Name and Address Not Found/Each | Processing Fee* Paper Report, Electronic Transmission, or Magnetic Tape/ Each State |
|---|---|---|---|
| (USOC) | (BNYFX) | (BNYNX) | (BNYMX) |
| | $.22 | $.22 | $27.25 |

(B) Data Gathering Service

| | Per Record Accessed | Processing Fee ** Paper Report, Electronic Transmission, or Magnetic Tape/Each State |
|---|---|---|
| (USOC) | (D7GPR) | (D7G) |
| | $.18 | $75.00 |

(C) End User Validation List

| | Standard Sort, Per Record Provided | Administrative Fee Paper Report, Electronic Transmission or Magnetic Tape/ Per Request | Special Sort, Per Record Provided |
|---|---|---|---|
| (USOC) | (BVY1X) | (BVY) | (BVY2X) |
| | $.034 | $78.00 | $.054 |

* Applies once per calendar year for BNA processing done within that calendar year.

** Applies once per calendar year for DGS processing done within that calendar year.

**8. Miscellaneous Services (Cont'd)**

**8.11 Telecommunications Service Priority (TSP) System**

(A) Description of the Service

The TSP System is a service that provides for the priority provisioning and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services. The TSP System applies only to NSEP services, includes both Switched and Special FIA and provides the Telephone Company with a guide to the sequence in which services are to be provisioned and/or restored.

The Telephone Company currently has Special Access circuits classified as RP (Restoration Priority). These facilities were offered under Part 64.401, Subpart D, Appendix A of the FCC Rules and Regulations prior to the revisions released November 17, 1988 under GEN. Docket No. 87-505 (FCC 88-341). These facilities will maintain their RP designation and priority treatment until either converted by the customer to the TSP System, or until March 10, 1993, whichever occurs first.

All FIA that can be identified by a unique circuit identifier can be provisioned for NSEP service by the Telephone Company.

The rates and charges associated with a customer subscribing to the TSP System are as specified in Section 8.11(G).

**8. Miscellaneous Services (Cont'd)**

**8.11 Telecommunications Service Priority (TSP) System (Cont'd)**

(B) Obtaining TSP System Service

The Executive Office of the President through the TSP Program Office, is empowered with the authority to receive, evaluate and process requests for NSEP services. The TSP Program Office makes the priority level assignments and issues the TSP authorization code reflecting the priority assignment associated with a request. The customer provides the TSP authorization code, in addition to all the other details necessary to complete the order (ASR) to the Telephone Company to obtain TSP System service.

The TSP authorization code, assigned on a per ASR basis, consists of a 12-character field consisting of a nine-character control ID followed by a dash and a two-character field specifying the priority level assignment. Its structure is as follows:

TSPxxxxxn-yy

The "x"s represent a sequence of numbers unique to each TSP authorization code and the "n" is a one character alphanumeric check digit. The first "y" contains the provisioning priority level assignment and the second "y" contains the restoration priority level assignment.

**8. Miscellaneous Services (Cont'd)**

**8.11 Telecommunications Service Priority (TSP) System (Cont'd)**

(C) Provisioning Priority

If the customer requires service within a shorter time interval than the Telephone Company can provide and the requested service qualifies for NSEP, the customer may elect to invoke NSEP Treatment and obtain the appropriate provisioning priority assignment from the TSP Program Office. Acceptable assignment code values are: E, 1, 2, 3, 4, 5 or 0.

The assignment of the value "E" denotes Emergency Provisioning and implies the service has the most critical provisioning requirements and the Telephone Company will respond accordingly. The Telephone Company will take immediate action to provide the requested service at the earliest possible date. Rates and charges associated with "E" provisioning are as specified in Section 8.11(G)(2)(a).

The assignment values of 1, 2, 3, 4 and 5 are treated as essential service priorities and the Company will adjust its available resources to meet the customer's requested due date. Rates and charges associated with invoking this priority treatment are specified in Section 8.11(G)(2)(b). The value "0" implies no provisioning priority.

**8. Miscellaneous Services (Cont'd)**

**8.11 Telecommunications Service Priority (TSP) System (Cont'd)**

(D) Restoration Priority

A TSP authorization code for restoration priority classifies the service as being among the nation's most important NSEP telecommunications services. The Company will restore these services before services without restoration priority assignments in the order of priority assignments. Acceptable values are: 1, 2, 3, 4, 5 or 0 with the value "1" being the highest priority.

When the Company recognizes a TSP as being out of service, unusable or receives a trouble report, available resources will be dispatched to restore the service as quickly as practicable. A priority value of 1, 2 or 3 requires dispatch outside normal business hours if necessary to restore the service. A priority value of 4 or 5 only requires dispatch outside of normal business hours if the next business day is more than 24 hours away. If the value "0" has been assigned, then no restoration priority is applicable to this service.

The minimum period of service is one month.

(E) Obligations of the Customer

(1) In all instances, the customer is responsible for obtaining the appropriate TSP authorization code and providing that code to the Telephone Company.

(2) The TSP System service customer must also be the customer for the FIA with which TSP service is associated. Only the customer or its authorized agent as indicated in a letter of agency on file with the Telephone Company is allowed to order TSP System service.

(3) All points of a multipoint service configuration must have the same restoration priority assignment and must satisfy the requirements of that assignment.

**8. Miscellaneous Services (Cont'd)**

**8.11 Telecommunications Service Priority (TSP) System (Cont'd)**

(E) Obligations of the Customer (Cont'd)

(4) In obtaining TSP System service, the customer consents to the release of certain information by the Telephone Company to the federal government in order to maintain and administer the TSP System. Such information includes: the customer's name, telephone number and mailing address, the TSP authorization code and the circuit or service ID number associated with the NSEP service.

(5) The Telephone Company will attempt to notify the customer of expected charges. The customer when invoking NSEP treatment, recognizes that quoting charges and obtaining permission beforehand may not be practicable and may cause unnecessary delays and, as a result, grants the Telephone Company the right to quote and bill charges after provisioning of the service.

(6) During certain emergencies, the customer may request TSP assignments verbally and the Telephone Company will accept such verbal notification. The customer must submit a written order (ASR) to the Telephone Company within two working days following the verbal request. If the written order (ASR) is not received within two working days, all applicable rates and charges accumulated to date to provision TSP System service, become immediately due and payable and the requested TSP priority is revoked.

(7) The customer must request and justify revalidation of all priority level assignments at least every three years.

**8. Miscellaneous Services (Cont'd)**

**8.11 Telecommunications Service Priority (TSP) System (Cont'd)**

(E) Obligations of the Customer (Cont'd)

(8) Additionally, the NCS Manual 3-1-1, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual", dated July 9, 1990, prescribes specific conditions which warrant NSEP treatment and related procedures.

(F) Obligations of the Telephone Company

(1) The Telephone Company will allocate resources to ensure best efforts to provide NSEP services by the time required.

(2) The Telephone Company will work TSP System services in the order of their priority level assignments. The priority sequence is as follows:

- Restore NSEP services assigned restoration priority 1
- Provision Emergency (E) NSEP services
- Restore NSEP services assigned restoration priority 2, 3, 4 or 5
- Provision NSEP services assigned provisioning priority 1, 2, 3, 4 or 5

(3) The Telephone Company will work cooperatively with other providers of NSEP service when only a portion is provided by the Telephone Company to ensure "end-to-end" service.

(4) Additionally, TSP System service will be provided in accordance with the guidelines set forth in NCS Handbook 3-1-2, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" dated July 9, 1990.

**8. Miscellaneous Services (Cont'd)**

**8.11 Telecommunications Service Priority (TSP) System (Cont'd)**

(F) Obligations of the Telephone Company (Cont'd)

(4) Additionally, TSP System service will be provided in accordance with the guidelines set forth in NCS Handbook 3-1-2, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" dated July 9, 1990.

(G) Rates and Charges

The following rates and charges are in addition to all other rates and charges that may apply for other services offered under this tariff which operate in conjunction with the TSP System.

(1) Establishment of TSP System Service

The establishment of TSP System service charge is a nonrecurring charge (NRC) specified in Section 8.11(G)(4) which applies when a FIA is ordered with provisioning and/or restoration priority. If both are ordered at the same time, only one NRC is applicable. The NRC is also applicable for orders changing priority levels.

(2) Provisioning Priority

There are two basic levels of priority provisioning, Emergency (provisioning priority "E") and Essential (provisioning priority 1, 2, 3, 4 or 5).

(a) Emergency Provisioning

The Telephone Company will take immediate action to provide the requested service at the earliest possible date. The rates and charges will apply as set forth in the Special Construction Section of the Telephone Company's Interstate Access Tariff.

**8. Miscellaneous Services (Cont'd)**

**8.11 Telecommunications Service Priority (TSP) System (Cont'd)**

(G) Rates and Charges (Cont'd)

(2) Provisioning Priority (Cont'd)

(b) Essential Provisioning

The Telephone Company will adjust its available resources to meet the customer's requested due date. The rates and charges will apply as set forth in Section 5.3.1(D).

(3) Restoration Priority

Restoration Priority is a monthly rate per circuit for the ongoing administration and maintenance of the TSP System. This monthly rate only applies when a restoration priority code (1, 2, 3, 4 or 5) is specified in position 12 of the authorization code. The rates are specified in Section 8.11(G)(5).

(4) Establishment of TSP System Service Charge

| | |
|---|---|
| Nonrecurring Charge per Circuit | $ 14.50 |

(5) Restoration Priority Rates

| | |
|---|---|
| Monthly Rate per Circuit | $ 4.90 |

## 9. Interface Groups, Transmission Specifications and Channel Codes

### 9.1 Local Transport Interface Groups

Ten Interface Groups are provided for terminating the Local Transport at the customer's premises. Each Interface Group provides a specified premises interface code (e.g., two-wire, four-wire, DS1, etc.). At the option of the customer and where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may be provided with optional features as set forth in 6.3.1 preceding.

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customers premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.1 Local Transport Interface Groups (Cont'd)

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, depending on the Feature Group or Basic Serving Arrangement and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer's premises. The premises interfaces codes associated with the Interface Groups may vary among Feature Groups and Basic Serving Arrangements. The various premises interfaces codes which are available with the Interface Groups, and the Feature Groups and Basic Serving Arrangements with which they may be used, are in 9.1.11.

For each of the ten Interface Groups described following, the transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant and equipment capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

#### 9.1.1 Interface Group 1 (USOC TPP1X)

Interface Group 1 provides a two-wire voice frequency transmission path at the point of termination at the customer's premises. Interface Group 1 is not provided in association with FGC, FGD, BSA-C and BSA-D when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC, FGD, BSA-B, BSA-C or BSA-D when the first point of switching can only provide four-wire terminations.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.1 Local Transport Interface Groups (Cont'd)

#### 9.1.1 Interface Group 1 (USOC TTP1X) (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA or BSA-A, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, FGD, BSA-B, BSA-C or BSA-D such signaling will be reverse battery signaling. When FGB, FGC, FGD, BSA-B, BSA-C or BSA-D access service is associated with a two-way calling interface, E&M signaling shall be used.

#### 9.1.2 Interface Group 2 (USOC TTP2X)

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer's premises. The interface is provided with loop supervisory signaling. When the interface is associated with FGA or BSA-A, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, FGD, BSA-B, BSA-C or BSA-D, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

#### 9.1.3 Interface Group 3 (USOC TPP3X)

Interface group 3 provides group level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to 180 kHz, with the capability to channelize up to 12 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex equipment to derive 12 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.1 Local Transport Interface Groups (Cont'd)

#### 9.1.4 Interface Group 4 (USOC TPP4X)

Interface group 4 provides supergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 60 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

#### 9.1.5 Interface Group 5 (USOC TPP5X)

Interface Group 5 provides mastergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 564 to 3084 kHz, with the capability to channelize up to 600 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 600 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with SF supervisory signaling for each individual transmission channel.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.1 Local Transport Interface Groups (Cont'd)

#### 9.1.6 Interface Group 6 (USOC TPP6X)

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

#### 9.1.7 Interface Group 7 (USOC TPP7X)

Interface Group 7 provides DS1C level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 3.152 Mbps, with the capability to channelize up to 48 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 48 voice frequency transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.1. Local Transport Interface Groups (Cont'd)

#### 9.1.8 Interface Group 8 (USOC TPP8X)

Interface Group 8 provides DS2 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 6.312 Mbps, with the capability to channelize up to 96 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment in its office to derive up to 96 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

#### 9.1.9 Interface Group 9 (USOC TPP9X)

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.1 Local Transport Interface Groups (Cont'd)

#### 9.1.10 Interface Group 10 (USOC TPPAX)

Interface Group 10 provides DS4 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 4032 transmission paths with a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with bit stream supervisory signaling for each individual transmission channel.

#### 9.1.11 Available Premises Interface Codes

Following is a matrix showing which premises interface codes are available for each Interface Group as a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the Glossary of Channel Interface Codes in 9.3.1 following.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.1 Local Transport Interface Groups (Cont'd)

#### 9.1.11 Available Premises Interface Codes

| Interface Group | Telephone Company Switch Supervisory Signaling | Premises Interface Code | Feature Group A | B | C | D |
|---|---|---|---|---|---|---|
| 1 | LO | 2LS2 | X | | | |
| | LO | 2LS3 | X | | | |
| | GO | 2GS2 | X | | | |
| | GO | 2GS3 | X | | | |
| | LO, GO | 2DX3 | X | | | |
| | LO, GO | 4EA3-E | X | | | |
| | LO, GO | 4EA3-M | X | | | |
| | LO, GO | 6EB3-E | X | | | |
| | LO, GO | 6EB3-M | X | | | |
| | RV, EA, EB, EC | 2DX3 | | X | X | X |
| | RV, EA, EB, E | 4EA3-E | | X | X | X |
| | RV, EA, EB, EC | 4EA3-M | | X | X | X |
| | RV, EA, EB, EC | 6EB3-E | | X | X | X |
| | RV, EA, EB, EC | 6EB3-M | | X | X | X |
| | EA, EB, EC | 6EC3 | | | X | X |
| | RV | 2RV3-O | | X | X | X |
| | RV | 2RV3-T | | X | X | X |
| 2 | LO, GO | 4SF2 | X | | | |
| | LO, GO | 4SF3 | X | | | |
| | LO | 4LS2 | X | | | |
| | LO | 4LS3 | X | | | |
| | LO | 6LS2 | X | | | |
| | GO | 4GS2 | X | | | |
| | GO | 4GS3 | X | | | |
| | GO | 6GS2 | X | | | |
| | LO, GO | 4DX2 | X | | | |
| | LO, GO | 4DX3 | X | | | |
| | LO, GO | 6EA2-E | X | | | |
| | LO, GO | 6EA2-M | X | | | |
| | LO, GO | 8EB2-E | X | | | |
| | LO, GO | 8EB2-M | X | | | |
| | LO, GO | 6EX2-B | X | | | |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.1 Local Transport Interface Groups (Cont'd)

#### 9.1.11 Available Premises Interface Codes Cont'd)

| Interface Group | Telephone Company Switch Supervisory Signaling | Premises Interface Code | Feature Group A | B | C | D |
|---|---|---|---|---|---|---|
| 2 (Cont'd) | | | | | | |
| | RV, EA, EB, EC | 4SF2 | | X | X | X |
| | RV, EA, EB, EC | 4SF3 | | X | | |
| | RV, EA, EB, EC | 4DX2 | | X | X | X |
| | RV, EA, EB, EC | 4DX3 | | X | X | X |
| | RV, EA, EB, EC | 6DX2 | | | X | |
| | RV, EA, EB, EC | 6EA2-E | | X | X | X |
| | RV, EA, EB, EC | 6EA2-M | | X | X | X |
| | RV, EA, EB, EC | 8EB2-E | | X | X | X |
| | RV, EA, EB, EC | 8EB2-M | | X | X | X |
| | EA, EB, EC | 8EC2-M | | | X | X |
| | RV | 4RV2-O | | X | X | X |
| | RV | 4RV2-T | | X | X | X |
| | RV | 4RV3-O | | X | X | |
| | RV | 4RV3-T | | X | X | |
| 3 | LO, GO | 4AH5-B | X | | | |
| | RV, EA, EB, EC | 4AH5-B | | X | X | X |
| 4 | LO, GO | 4AH6-C | X | | | |
| | RV, EA, EB, EC | 4AH6-C | | X | X | X |
| 5 | LO, GO | 4AH6-D | X | | | |
| | RV, EA, EB, EC | 4AH6-D | | X | X | X |
| 6 | LO, GO | 4DS9-15 | X | | | |
| | LO, GO | 4DS9-15L | X | | | |
| | RV, EA, EB, EC | 4DS9-15 | | X | X | X |
| | RV, EA, EB, EC | 4DS9-15L | | X | X | X |
| 7 | LO, GO | 4DS9-31 | X | | | |
| | RV, EA, EB, EC | 4DS9-32 | | X | X | X |
| | LO, GO | 4DS9-31L | X | | | |
| | RV, EA, EB, EC | 4DS9-31L | | X | X | X |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.1 Local Transport Interface Groups (Cont'd)

#### 9.1.11 Available Premises Interface Codes (Cont'd)

| Interface Group | Telephone Company Switch Supervisory Signaling | Premises Interface Code | Feature Group A | B | C | D |
|---|---|---|---|---|---|---|
| 8 | LO, GO | 4DSO-63 | X | | | |
| | LO, GO | 4DSO-63L | X | | | |
| | RV, EA, EB, EC | 4DSO-63 | | X | X | X |
| | RV, EA, EB, EC | 4DSO-63L | | X | X | X |
| 9 | LO, GO | 4DS6-44 | X | | | |
| | LO, GO | 4DS6-44L | X | | | |
| | RV, EA, EB, EC | 4DS6-44 | | X | X | X |
| | RV, EA, EB, EC | 4DS6-44L | | X | X | X |
| 10 | LO, GO | 4DS6-27 | X | | | |
| | LO, GO | 4DS6-27L | X | | | |
| | RV, EA, EB, EC | 4DS6-27 | | X | X | X |
| | RV, EA, EB, EC | 4DS6-27L | | X | X | X |

## 9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)

### 9.2 Transmission Specifications for Switched Access Service

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at performance levels specified in this tariff.

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference TR-NPL-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

#### 9.2.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Services. The specific applications in terms of the Switched Access Arrangements and Interface Groups with which the Switched Access Arrangement Standard Transmission Specifications are provided are set forth in 6.2 preceding.

(A) Type A Transmission Specifications

Type A Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is 2.0 dB

**9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)**

**9.2 Transmission Specifications for Switched Access Service (Cont'd)**

**9.2.1 Standard Transmission Specifications (Cont'd)**

(A) Type A Transmission Specifications (Cont'd)

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss 1004 Hz is -1.0 dB to +3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

| Route Miles | C-Message Noise |
|---|---|
| less than 50 | 32 dBrnCO |
| 51 to 100 | 34 dBrnCO |
| 101 to 200 | 37 dBrnCO |
| 201 to 400 | 40 dBrnCO |
| 401 to 1000 | 42 dBrnCO |

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBrnCO.

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

**9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)**

**9.2 Transmission Specifications for Switched Access Service (Cont'd)**

**9.2.1 Standard Transmission Specifications (Cont'd)**

(A) Type A Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

| | Echo Return Loss | Singing Return Loss |
|---|---|---|
| POT to Access Tandem | 21 dB | 14 dB |
| POT to End Office | | |
| - Direct | N/A | N/A |
| -Via Access Tandem | 16 dB | 11 dB |

(6) Standard Return Loss

Standard Return Loss expressed as Echo Return Loss and Singing Return Loss on two-wire ports of a four-wire point of termination shall be equal to or greater than:

| Echo Return Loss | Singing Return Loss |
|---|---|
| 5 dB | 2.5 dB |

(B) Type B Transmission Specifications

Type B Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion is the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

## 9.2 Transmission Specifications for Switched Access Service (Cont'd)

### 9.2.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

| | C-Message Noise* | |
|---|---|---|
| Route Miles | Type B1 | Type B2 |
| less than 50 | 32 dBrnCO | 35 dBrnCO |
| 51 to 100 | 33 dBrnCO | 37 dBrnCO |
| 101 to 200 | 35 dBrnCO | 40 dBrnCO |
| 201 to 400 | 37 dBrnCO | 43 dBrnCO |
| 401 to 1000 | 39 dBrnCO | 45 dBrnCO |

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA, FGB, BSA-A and BSA-B and Equal Level Echo Path Loss for FGC, FGD, BSA-C and BSA-D, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Switched Access Service, type of termination, and type of transmission path. They are greater than or equal to the following:

* For FGC, FGD, BSA-C and BSA-D only Type B2 will be provided. For FGA, FGB, BSA-A and BSA-B, Type B1 or B2 will be provided as set forth in Technical Reference TR-NPL-000334.

## 9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)

### 9.2 Transmission Specifications for Switched Access Service (Cont'd)

#### 9.2.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

| | Echo Return Loss | Singing Return Loss |
|---|---|---|
| POT to Access Tandem | | |
| - Terminated in 4-Wire trunk | 21 dB | 14 dB |
| POT to End Office | | |
| - Terminated in 2-Wire trunk | 16 dB | 11 dB |
| POT to End Office | | |
| - Direct | 16 dB | 11 dB |
| - Via Access Tandem | | |
| For FGB and BSA-B access | 8 dB | 4 dB |
| For FGC and BSA-C access (Effective 4-Wire transmission path at end office) | 16 dB | 11 dB |
| For FGC and BSA-C access (Effective 2-Wire transmission path at end office) | 13 dB | 6 dB |

(6) Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing return Loss, on two-wire ports of a four-wire point of termination shall be equal to or greater than:

| Echo Return Loss | Singing Return Loss |
|---|---|
| 5 dB | 2.5 dB |

**9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)**

**9.2 Transmission Specifications for Switched Access Service (Cont'd)**

**9.2.1 Standard Transmission Specifications (Cont'd)**

(C) Type C Transmission Specifications

Type C Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

| | C-Message Noise* | |
|---|---|---|
| Route Miles | Type B1 | Type B2 |
| less than 50 | 32 dBrnCO | 38 dBrnCO |
| 51 to 100 | 33 dBrnCO | 39 dBrnCO |
| 101 to 200 | 35 dBrnCO | 41 dBrnCO |
| 201 to 400 | 37 dBrnCO | 43 dBrnCO |
| 401 to 1000 | 39 dBrnCO | 45 dBrnCO |

* For FGC, FGD, BSA-C and BSA-D Type C2 will be provided. For FGA, FGB, BSA-A and BSA-B, Type C1 or C2 will be provided set forth in Technical Reference TR-NPL-000334.

## 9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)

### 9.2 Transmission Specifications for Switched Access Service (Cont'd)

#### 9.2.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

| | Echo Return Loss | Singing Return Loss |
|---|---|---|
| POT to Access Tandem | 13 dB | 6 dB |
| POT to End Office | | |
| - Direct | 13 dB | 6 dB |
| - Via Access Tandem (for FGB and BSA-B only) | 8 dB | 4 dB |

## 9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)

### 9.2 Transmission Specifications for Switched Access Service (Cont'd)

#### 9.2.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Switched Access Service arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.2 preceding. In addition, the Combined Access Service Arrangement is provided with Data Transmission Parameters. Following are descriptions of each parameter.

(A) Data Transmission Parameters Type DA

(1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

(2) Envelope Delay Distortion

The maximum envelope Delay Distortion for the frequency bands and route miles specified is:

| | |
|---|---|
| 604 to 2804 Hz | |
| less than 30 route miles | 500 microseconds |
| equal to or greater than 30 route miles | 900 microseconds |
| 1004 to 2404 Hz | |
| less than 50 route miles | 200 microseconds |
| equal to or greater than 50 route miles | 400 microseconds |

## 9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)

### 9.2 Transmission Specifications for Switched Access Service (Cont'd)

#### 9.2.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dBrnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

| | |
|---|---|
| Second Order (R2) | 33 dB |
| Third Order (R3) | 37 dB |

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5 peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

## 9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)

### 9.2 Transmission Specifications for Switched Access Service (Cont'd)

#### 9.2.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB

(1) Signal to C-Notched Noise Ratio

The signal to C-Notched Noise Ratio is equal to or greater than 30 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

| | |
|---|---|
| 604 to 2804 Hz | |
| less than 50 route miles | 800 microseconds |
| equal to or greater than 50 route miles | 1000 microseconds |
| 1004 to 2404 Hz | |
| less than 50 route miles | 320 microseconds |
| equal to or greater than 50 route miles | 500 microseconds |

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

**9. Interface Groups, Transmission Specifications, and Channel Codes (Cont'd)**

**9.2 Transmission Specifications for Switched Access Service (Cont'd)**

**9.2.2 Data Transmission Parameters (Cont'd)**

(B) Data Transmission Parameters Type DB (Cont'd)

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

| | |
|---|---|
| Second Order (R2) | 31 dB |
| Third Order (R3) | 34 dB |

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7 peak-to-peak.

(6) Frequency Shift

The maximum frequency Shift does not exceed -2 to +2 Hz.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies a NT Network Channel Code and a 2DS8-3 Channel Interface at the customer's premises, the following is being requested:

NT = Metallic Circuit with a Predefined Technical Specification Package (1)
2 = Number of physical wires at customer premises
DS = Facility interface for direct current or voltage
8 = Variable impedance level
3 = Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.1 Glossary of Channel Interface Codes and Options

| Code | | Option | Definition |
|---|---|---|---|
| AB | - | | accepts 20 Hz ringing signal at customer's point of termination |
| AC | - | | accepts 20 Hz ringing signal at customer's end user's point of termination |
| AH | - | | analog high capacity interface |
| | - | B | 60 kHz to 108 kHz (12 channels) |
| | - | C | 312 kHz to 552 kHz (60 channels) |
| | - | D | 564 kHz to 3084 kHz (600 channels) |
| CT | | | Centrex Tie Trunk Termination |
| DA | - | | data stream in VF frequency band at customer' send user's point of termination |
| DB | - | | data stream in VF frequency band at customer's point of termination |
| | - | 10 | VF for TG1 and TG2 |
| | - | 43 | VF for 43 Telegraph Carrier type signals, TG1 and TG2 DC -direct current or voltage |
| | - | 1 | monitoring interface with series RC combination (McCulloh format) |
| | - | 2 | Telephone Company energized alarm channel |
| | - | 3 | Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud) |
| DD | - | | DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination |
| DE | - | | DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| Code | Option | Definition |
|---|---|---|
| DS | - | digital hierarchy interface |
| | - 15 | 1.544 Mbps (DS1) format per PUB 41451 plus D4 |
| | - 15E | 8-bit PCM encoded in one 64 kbps of the DS1 signal |
| | - 15F | 8-bit PCM encoded in two 64 kbps of the DS1 signal |
| | - 15G | 8-bit PCM encoded in three 64 kbps of the DS1 signal |
| | - 15H | 14/11-bit PCM encoded in six 64 kbps of the DS1 signal |
| | - 15J | 1.544 Mbps format per PUB 41451 |
| | - 15K | 1.544 Mbps format per PUB 41451 plus extended framing format |
| | - 15L | 1.544 Mbps (DS1) with SF signaling |
| | - 27 | 274.176 Mbps (DS4) |
| | - 27L | 274.176 Mbps (DS4) with SF signaling |
| | - 31 | 3.152 Mbps (DS1C) |
| | - 31L | 3.152 Mbps (DS1C) with SF signaling |
| | - 44 | 44.736 Mbps (DS3) |
| | - 44L | 44.736 Mbps (DS3) with SF signaling |
| | - 63 | 6.312 Mbps (DS2) |
| | - 63L | 6.312 Mbps (DS2) with SF signaling |
| DU | - | digital access interface |
| | - 24 | 2.4 kbps |
| | - 48 | 4.8 kbps |
| | - 56 | 56.0 kbps |
| | - 96 | 9.6 kbps |
| | - A | 1.544 Mbps format per PUB 41451 |
| | - B | 1.544 Mbps format per PUB 41451 plus D4 |
| | - C | 1.544 Mbps format per PUB 41451 plus extended framing format |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| Code | Option | Definition |
|---|---|---|
| DX | - | duplex signaling interface at customer's point of termination |
| DY | - | duplex signaling interface at customer's end user's point of termination |
| EA | - E | type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead. |
| EA | - M | Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead. |
| EB | - E | Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead. |
| EB | - M | Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead. |
| EC | - | Type III E&M signaling at customer POT |
| EX | - A | tandem channel unit signaling for loop start or ground start and customer supplies open end (dialtone, etc.) functions. |
| EX | - B | tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions. |
| GO | - | ground start loop signaling - open end function by customer or customer's end user. |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| Code | | Option | Definition |
|---|---|---|---|
| GS | - | | ground start loop signaling - closed end function by customer or customer's end user |
| IA | - | | E.I.A. (25 pin RS-232) |
| LA | - | | end user loop start loop signaling - Type A OPS registered port open end |
| LB | - | | end user loop start loop signaling - Type B OPS registered port open end |
| LC | - | | end user loop start loop signaling - Type C OPS registered port open end |
| LO | - | | loop start loop signaling - open end function by customer or customer's end user |
| LR | - | | 20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR |
| LS | - | | loop start loop signaling - closed end function by customer or customer's end user |
| NO | - | | no signaling interface, transmission only |
| PG | - | | program transmission - no dc signaling |
| | - | 1 | nominal frequency from 50 to 15000 Hz |
| | - | 3 | nominal frequency from 200 to 3500 Hz |
| | - | 5 | nominal frequency from 100 to 5000 Hz |
| | - | 8 | nominal frequency from 50 to 8000 Hz |
| PR | | | protective relaying* |

* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| Code | Option | Definition |
|---|---|---|
| RV - | OT | reverse battery signaling, one way operation, originate by customer<br>reverse battery signaling, one way operation, terminate function by customer or customer's end user |
| SF - | | single frequency signaling with VF band at either customer POT or customer's end user POT |
| TF - | | telephotograph interface |
| TT - | | telegraph/teletypewriter interface at either customer POT or customer's end user POT |
| - | 2 | 20.0 milliamperes |
| - | 3 | 3.0 milliamperes |
| - | 6 | 62.5 milliamperes |
| TV - | | television interface |
| - | 1 | combined (diplexed) video and one audio signal |
| - | 2 | combined (diplexed) video and two audio signals |
| - | 5 | video plus one (or two) audio 5 kHz signal(s) or one (or two) two wire |
| - | 15 | video plus one (or two) audio 15 kHz signal(s) |
| WA - | | wideband bandwidth interface at customer's end user |
| POT | | |
| - | 1 | limited bandwidth |
| - | 2 | nominal passband from 29000 to 44000 Hz |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| Code | Option | Definition |
|---|---|---|
| WB | - | wideband data interface at customer POT |
| | - 18S | 18.75 kbps, synchronous |
| | - 19A | up to 19.2 kbps asynchronous |
| | - 19S | 19.2 kbps synchronous |
| | - 23A | up to 230.4 kbps, asynchronous |
| | - 23S | 230.4 kbps, synchronous |
| | - 40S | 40.8 kbps, synchronous |
| | - 50A | up to 50.0 kbps, asynchronous |
| | - 50S | 50.0 kbps synchronous |
| WC | - | wideband data interface at customer's end user |
| | - 18 | POT 18.75 kbps, synchronous |
| | - 19 | for 12-wire interface: 19.2 kbps, synchronous for 10-wire interface: up to 19.2 kbps, 23 asynchronous up to 230.4 kbps, asynchronous |
| | - 23S | 230.4 kbps, synchronous |
| | - 40 | 40.8 kbps, synchronous |
| | - 50 | for 12-wire interface: 50.0 kbps, synchronous for 10-wire interface: up to 50.0 kbps, asyn- |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

| Code | Option | Definition |
|---|---|---|
| WD | - | chronous wideband bandwidth interface at customer POT |
| | - 1 | nominal passband from 300 to 18000 Hz |
| | - 2 | nominal passband from 28000 to 44000 Hz |
| | - 3 | nominal passband from 29000 to 44000 Hz |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.2 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

| Value (ohms) | Code(s) |
|---|---|
| 110 | 0 |
| 150 | 1 |
| 600 | 2 |
| 900 | 3+ |
| 135 | 5 |
| 75 | 6 |
| 124 | 7 |
| Variable | 8 |
| 100 | 9 |

\+ For those interface codes with a 4-wire transmission path at the customer's POT, rather than a standard 900 ohm impedance the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket no. 20099 Settlement Agreement.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.3 Digital Hierarchy Channel Interface Codes (4DS)

Customers selecting the multiplexed four-wire DSX-1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS8, 4DS9, 4DS0 or 4DS6 plus the speed options indicated below:

| Interface Code and Speed Option | Nominal Bit Rate (Mbps) | Digital Hierarchy Level |
|---|---|---|
| 4DS8-15 | 1.544 | DS1 |
| 4DS9-31 | 3.152 | DS1C |
| 4DS0-63 | 6.312 | DS2 |
| 4DS6-44 | 44.736 | DS3 |
| 4DS6-27 | 274.176 | DS4 |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for various administrative purposes.

| Service Designator Code | Network Channel Code |
|---|---|
| MTC | MQ |
| MT1 | NT |
| MT2 | NU |
| MT3 | NV |
| TGC | NQ |
| TG1 | NW |
| TG2 | NY |
| VGC | LQ |
| VG1 | LB |
| VG2 | LC |
| VG3 | LD |
| VG4 | LE |
| VG5 | LF |
| VG6 | LG |
| VG7 | LH |
| VG8 | LJ |
| VG9 | LK |
| VG1 | LN |
| VG1 | LP |
| VG12 | LR |
| APC | PQ |
| AP1 | PE |
| AP2 | PF |
| AP3 | PJ |
| AP4 | PK |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

| Service Designator Code | Network Channel Code |
|---|---|
| TVC | TQ |
| TV1 | TV |
| TV2 | TW |
| WA1 | WJ |
| WA1T | WQ |
| WA2 | WL |
| WA2A | WR |
| WA3 | WN |
| WA4 | WP |
| WD1 | WB |
| WD2 | WE |
| WD3 | WF |
| DA1 | XA |
| DA2 | XB |
| DA3 | XG |
| DA4 | XH |
| HCO | HS |
| HC1 | HC |
| HC1C | HD |
| HC2 | HE |
| HC3 | HF |
| HC4 | HG |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces

The following tables show the channel interface codes (CIs) which are compatible:

(A) Metallic

| Compatible CIs | | Compatible CIs | |
|---|---|---|---|
| 4AH5-B | 2DC8-1 | 4AH6-D | 2DC8-2 |
| 4AH5-B | 24C8-2 | 2DC8-1 | 2DC8-2 |
| 4AH6-C | 2DC8-1 | 2DC8-3 | 2DC8-3 |
| 4AH6-C | 2DC8-2 | 4DS9-* | 2DC8-1 |
| 4AH6-D | 2DC8-1 | 4DS9-* | 2DC8-2 |

(B) Telegraph Grade

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 4AH5-B 10IA8 | 4AH6-D 4TT2-6 | 4DB2-43+4TT2-2 |
| 4AH5-B 2TT2-2 | 2DB2-10 10IA8 | 4DS9-*10IA8 |
| 4AH5-B 4TT2-2 | 2DB2-10 2TT2-2 | 4DS9-*2TT2-2 |
| 4AH5-B 2TT2-6 | 2DB2-10 4TT2-2 | 4DS9-*4TT2-2 |
| 4AH5-B 4TT2-6 | 2DB2-43+10IA8 | 4DS9-*2TT2-6 |
| 4AH6-C 10IA8 | 2DB2-43+2TT2-2 | 4DS9-*4TT2-6 |
| 4AH6-C 2TT2-2 | 2DB2-43+2TT2-6 | 2TT2-22TT2-2 |
| 4AH6-C 4TT2-2 | 2DB2-43+4TT2-2 | 2TT2-32TT2-2 |
| 4AH6-C 2TT2-6 | 4DB2-10 1OIA8 | 2TT2-34TT2-2 |
| 4AH6-C 4TT2-6 | 4DB2-10 2TT2-2 | 2TT2-62TT2-6 |
| 4AH6-D 10IA8 | 4DB2-10 4TT2-2 | 2TT2-64TT2-2 |
| 4AH6-D 2TT2-2 | 4DB2-43+10IA8 | 4TT2-24TT2-2 |
| 4AH6-D 4TT2-2 | 4DB2-43+2TT2-6 | 4TT2-62TT2-6 |
| 4AH6-D 2TT2-6 | | |

* See 7.5.3 preceding for explanation.

\+ Supplemental Channel Assignment information required.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 4AB2 4AB2 | | |
| 4AB2 4AC2 | 4AH5-B 6DA2 | 4AH6-D 2DY2 |
| 4AB3 4AC2 | 4AH5-B 4DA2 | 4AH6-C 9DY2 |
| 4AB2 2AC2 | 4AH5-B 2DA2 | 4AHG-C 9DY3 |
| 4AB3 2AC2 | | 4AH6-C 6DY2 |
| 2AB2 2AC2 | 4AH6-D 4DE2 | 4AH6-C 6DY3 |
| 2AB3 2AC2 | 4AH6-C 4DE2 | 4AH6-C 4DY2 |
| | 4AH5-B 4DE2 | 4AH6-C 2DY2 |
| 4AB2 4SF2 | 4AH6-D 2DE2 | 4AH5-B 9DY2 |
| 4AB3 4SF2 | 4AH6-C 2DE2 | 4AH5-B 9DY3 |
| | 4AH5-B 2DE2 | 4AH5-B 6DY2 |
| 4AH6-D 4AC2 | | 4AH5-B 6DY3 |
| 4AH6-D 2AC2 | 4AH6-D 4DX3 | 4AH5-B 4DY2 |
| 4AH6-C 4AC2 | 4AH6-C 4DX3 | 4AH5-B 2DY2 |
| 4AH6-C 2AC2 | 4AH5-B 4DX3 | |
| 4AH5-B 4AC2 | 4AH6-D 4DX2 | 4AH6-D 9EA2 |
| 4AH5-B 2AC2 | 4AH6-C 4DX2 | 4AH6-D 9EA3 |
| | 4AH5-B 4DX2 | 4AH6-D 6EA2-E |
| 4AH6-D 2CT3 | | 4AH6-D 6EA2-M |
| | | 4AH6-D 4EA2-E |
| 4AH6-C 2CT3 | | 4AH6-D 4EA2-M |
| 4AH5-B 2CT3 | | 4AH6-C 9EA2 |
| 4AH6-D 6DA2 | | 4AJ7-C 9EA3 |
| 4AH6-D 4DA2 | 4AH6-D 9DY2 | 4AH6-C 6EA2-E |
| 4AH6-D 2DA2 | 4AH6-D 9DY3 | |
| 4AH6-C 6DA2 | 4AH6-D 6DY2 | |
| 4AH6-C 4DA2 | 4AH6-D 6DY3 | |
| 4AH6-C 2DA2 | 4AH6-D 4DY2 | |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 4AH6-C 6EA2-M | 4AH6-D 6GS2 | 4AH6-D 2LO2 |
| 4AH6-C 4EA2-E | 4AH6-D 4GS2 | 4AH6-C 2LO3 |
| 4AH6-C 4EA2-M | 4AH6-D 2GS3 | 4AH6-C 2LO2 |
| 4AH5-B 9EA2 | 4AH6-D 2GS2 | 4AH5-B 2LO3 |
| 4AH5-B 9EA3 | 4AH6-C 6GS2 | 4AH5-B 2LO2 |
| 4AH5-B 6EA2-E | 4AH6-C 4GS2 | |
| 4AH5-B 6EA2-M | 4AH6-C 2GS3 | 4AH6-B 4LR2 |
| 4AH5-B 4EA2-E | 4AH6-C 2GS2 | 4AH6-D 2LR2 |
| 4AH5-B 4EA2-M | 4AH5-B 6GS2 | 4AH6-C 4LR2 |
| | 4AH5-B 4GS2 | 4AH6-C 2LR2 |
| 4AH6-D 8EB2-E | 4AH5-B 2GS3 | 4AH5-B 4LR2 |
| 4AH6-D 8EB2-M | 4AH5-B 2GS2 | 4AH5-B 2LR2 |
| 4AH6-D 6EB2-E | | |
| 4AH6-D 6EB2-M | 4AH6-D 2LA2 | 4AH6-D 6LS2 |
| 4AH6-C 8EB2-E | 4AH6-C 2LA2 | 4AH6-D 4LS2 |
| 4AH6-C 8EB2-M | 4AH5-B 2LA2 | 4AH6-D 2LS2 |
| 4AH6-C 6EB2-E | | 4AH6-D 2LS3 |
| 4AH6-C 6EB2-M | 4AH6-D 2LB2 | 4AH6-C 6LS2 |
| 4AH5-B 8EB2-E | 4AHG-C 2LB2 | 4AH6-C 4LS2 |
| 4AH5-B 8EB2-M | 4AH5-B 2LB2 | 4AH6-C 2LS2 |
| 4AH5-B 6EB2-E | | 4AH6-C 2LS3 |
| 4AH5-B 6EB2-M | 4AH6-D 2LC2 | 4AH5-B 6LS2 |
| | 4AH6-C 2LC2 | 4AH5-B 4LS2 |
| 4AH6-D 2GO2 | 4AH5-B 2LC2 | 4AH5-B 2LS2 |
| 4AH6-D 2GO3 | | |
| 4AH6-C 2GO2 | | |
| 4AH6-C 2GO2 | | 4AH5-B 2LS3 |
| 4AH5-B 2GO2 | 4AH6-D 2LO3 | |
| 4AH5-B 2GO3 | | |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 4AH6-D 4NO2 | 4AH6-D 4TF2 | 2CT3 8EB2-E |
| 4AH6-D 2NO2 | 4AJ7-D 2TF2 | 2CT3 8EB2-M |
| 4AH6-C 4NO2 | 4AH6-C 4TF2 | |
| 4AH6-C 2NO2 | 4AH6-C 2TF2 | 2CT3 6482-E |
| 4AH5-B 4NO2 | 4AH5-B 4TF2 | 2CT3 6EB2-M |
| 4AH5-B 2NO2 | 4AH5-B 2TF2 | |
| | | 2CT3 6EB3-E |
| | | 2CT3 4DS9-* |
| | | 2CT3 8EC2 |
| | | 2CT3 6DX2 |
| | 2CT3 4DX2 | 2CT3 4SF2 |
| | 2CTS 4DX3 | 2CT3 4SF3 |
| 4AH6-D 4PR2 | 2CT3 9DY3 | 6DA2 6DA2 |
| 4AH6-D 2PR2 | 2CT3 6DY3 | 6DA2 4DA2 |
| 4AH6-C 4PR2 | 2CT3 9DT2 | 4DA2 4DA2 |
| 4AH6-C 2PR2 | 2CT3 6DY2 | |
| 4AH5-B 4PR2 | 2CT3 4DY3 | 4DB2 6DA2 |
| 4AH5-B 2PR2 | 2CT3 2DY2 | 4DB2 4DA2 |
| | | 4DB2 2DA2 |
| 4AH6-D 4RV2-T | 2CT3 9EA3 | 2DB3 2DA2 |
| 4AH6-D 2RV2-T | 2CT3 9EA2 | 2DB2 2DA2 |
| 4AH6-C 4RV2-T | 2CT3 6EA2-E | 4DB2 4DB2 |
| 4AH6-C 2RV2-T | 2CT3 6EA2-M | 4DB2 4NO2 |
| 4AH5-B 4TV2-T | 2CT3 4EA2-E | 4DB2 2NO2 |
| 4AH5-B 2RV2-T | 2CT3 4EA2-M | 2DB2 2NO2 |
| 4AH6-D 4SF2 | | 4DB2 4PR2 |
| 4AH6-C 4SF2 | | 4DB2 2PR2 |
| 4AH5-B 4SF2 | | 2DB2 2PR2 |
| 4AH6-D 4SF3 | | |
| 4AH6-C 4SF3 | | |
| 4AH5-B 4SF3 | | |

- See 9.3.3 preceding for explanation.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | |
|---|---|---|---|
| 4DD3 | 4DE2 | 4DS8-* | 9DY3 |
| 4DD3 | 2DE2 | 4DS8-* | 9DY2 |
| | | 4DS8-* | 6DY3 |
| 4DS8-* | 4AC2 | 4DS8-* | 6DY2 |
| 4DS8-* | 2AC2 | 4DS8-* | 4DY2 |
| | | 4DS8-* | 2DY2 |
| 4DS8-* | 6DA2 | | |
| 4DS8-* | 4DA2 | | |
| 4DS8-* | 2DA2 | 4DS8-* | 9EA2 |
| | | 4DS8-* | 9EA3 |
| 4DS8-* | 4DE2 | 4DS8-* | 6EA2-E |
| 4DS8-* | EDE2 | 4DS8-* | 6EA2-M |
| | | 4DS8-* | 4EA2-E |
| 4DS8-* | 4DX3 | 4DS8-* | 4EA2-E |
| 4DS8-* | 4DX2 | | |

* See 9.3.3 preceding for explanation.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 4DS8-*8EB2-E | 4DS8-*4NO2 | 4DX3 9DY2 |
| 4DS8-*8EB2-M | 4DS8-*2NO2 | 4DX2 6DY3 |
| 4DS8-*6EB2-E | | 4DX3 6DY3 |
| 4DS8-*6EB2-M | 4DS8-*4PR2 | 4DX2 6DY2 |
| | 4DS8-*2PR2 | 4DX3 6DY2 |
| 4DS8-*2GO2 | | 4DX2 4DY2 |
| 4DS8-*2GO3 | 4DS8-*4RV2-T | 4DX3 4DY2 |
| 4DS8-*6GS2 | 4DS8-*2RV2-T | 4DX2 2DY2 |
| 4DS8-*4GS2 | | 4DX3 2DY2 |
| 4DS8-*2GS2 | 4DS8-*4SF2 | |
| 4DS8-*2GS3 | 4DS8-*4SF3 | 6DX2 9EA3 |
| | | 6DX2 9EA2 |
| 4DS8-*2LA2 | 4DS8-*4TF2 | 6DX2 6EA2-E |
| | 4DS8-*2TF2 | 6DX2 6EA2-M |
| | 4DS8-*2LB2 | 6DX2 4EA2-E |
| | 4DX2 4DX2 | 6DX2 4EA2-M |
| 8DS8-*2LC2 | 4DX3 4DX2 | 4DX2 9EA2 |
| | 4DX3 4DX3 | 4DX3 9EA2 |
| | 4DS8-*2LO2 | 4DX2 9EA3 |
| 4DS8-*2LO3 | 6DX2 9DY3 | 4DX3 9EA3 |
| | 6DX2 9DY2 | 4DX2 6EA2-E |
| 4DS8-*4LR2 | 6DX2 6DY3 | 4DX3 6EA2-E |
| 4DS8-*2LR2 | 6DX2 6DY2 | 4DX2 6EA2-M |
| | 6DX2 4DY2 | 4DX3 6EA2-M |
| 4DS8-*6LS2 | 6DX2 2DY2 | 4DX2 4EA2-E |
| 4DS8-*4LS2 | 4DX2 9DY3 | 4DX3 4EA2-E |
| 4DS8-*2LS2 | 4DX3 9DY3 | 4DX2 4EA2-M |
| 4DS8-*2LS3 | 4DX2 9DY2 | 4DX3 4EA2-M |

* See 9.3.3 preceding for explanation.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 6DX2 8EB2-E | 4DX2 6LS2 | 9DY2 6DY3 |
| 6DX2 8EB2-M | 4DX3 6LS2 | 9DY3 4DY2 |
| 6DX2 6EB2-E | 4DX3 4LS2 | 9DY2 4DY2 |
| 6DX2 6EB2-M | 4DX2 4LS2 | 9DY2 2DY2 |
| 4DX2 8EB2-E | 4DX3 2LS3 | 9DY3 2DY2 |
| 4DX2 8EB2-M | 4DX2 2LS3 | 6DY3 6DY3 |
| 4DX3 8EB2-E | 4DX3 2LS2 | 6DY3 6DY2 |
| 4DX3 8EB2-M | 4DX2 2LS2 | 6DY2 6DY2 |
| 4DX2 6EB2-E | 2DX3 2LS2 | 6DY3 4DY2 |
| 4DX2 6EB2-M | 2DX3 2LS3 | 6DY3 2DY2 |
| 4DX3 6E82-E | | 6DY2 4DY2 |
| 4DX3 6EB2-M | 4DX3 4RV2-T | 6DY2 2DY2 |
| 4DX2 4RV2-T | 4DY2 2DY2 | |
| 4DX2 2LA2 | 4DX3 2RV2-T | 4DY2 4DY2 |
| 4DX3 2LA2 | 4DX2 2RV2-T | |
| 2DX3 2LA2 | | 6EA2-E 4AC2 |
| | 6DX2 4SF2 | 6EA2-M 4AC2 |
| 4DX2 2LB2 | 4DX2 4SF2 | 6EA2-E 2AC2 |
| 4DX3 2LB2 | 4DX3 4SF2 | 6EA2-M 2AC2 |
| 2DX3 2LB2 | 4DX2 4SF3 | |
| | 4DX3 4SF3 | 9EA2 9DY3 |
| 4DX2 2LC2 | | 9EA2 9DY2 |
| 4DX3 2LC2 | 9DY3 9DY3 | 9EA2 6DY3 |
| 2DX3 2LC2 | 9DY3 9DY2 | 9EA2 6DY2 |
| | 9DY2 9DY2 | 9EA2 4DY2 |
| 4DX2 2LO3 | 9DY3 6DY3 | 9EA2 2DY2 |
| 4DX3 2LO3 | 9DY3 6DY2 | 9EA3 9DY3 |
| 2DX3 2LO3 | 9DY2 6DY2 | |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 9EA3 9DY2 | 4EA2-M 9DY2 | 4EA3-E 9EA2 |
| 9EA3 6DY3 | 4EA2-M 6DY3 | 4EA3-E 9EA3 |
| 9EA3 6DY2 | 4EA2-M 6DY2 | 4EA2-M4EA2-M |
| 9EA3 4DY2 | 4EA2-M 4DY2 | |
| 9EA3 2DY2 | 4EA2-M 2DY2 | 9EA2 8EB2-E |
| 6EA2-E 9DY3 | 9EA2 8EB2-M | |
| 6EA2-E 9DY2 | 9EA2 9EA2 | 9EA2 6EB2-E |
| 6EA2-E 6DY3 | 9EA2 9EA3 | 9EA2 6EB2-M |
| 6EA2-E 6DY2 | 9EA2 6EA2-E | 9EA3 8EB2-E |
| 6EA2-E 4DY2 | 9EA2 6EA2-M | 9EA3 8E82-M |
| 6EA2-E 2DY2 | 9EA2 4EA2-E | 9EA3 6EB2-E |
| 6EA2-M 9DY3 | 9EA2 4EA2-M | 9EA3 6EB2-M |
| 6EA2-M 9DY2 | 9EA3 9EA3 | 6EA2-E 8EB2-E |
| 6EA2-M 6DY3 | 9EA3 6EA2-E | 6EA2-E 8EB2-M |
| 6EA2-M 6DY2 | 9EA3 6EA2-M | 6EA2-E 6EB2-E |
| 6EA2-M 4DY2 | 9EA3 4EA2-E | 6EA2-E 6EB2-M |
| 6EA2-M 2DY2 | 9EA3 4EA2-M | 6EA2-M 8EB2-E |
| 4EA2-E 9DY3 | 6EA2-E 6EA2-E | 6EA2-M 8E82-M |
| 4EA2-E 9DY2 | 6EA2-E 6EA2-M | 6EA2-M 6EB2-E |
| 4EA3-E 9DY3 | 6EA2-M 6EA2-M | 6EA2-M 6EB2-M |
| 4EA3-E 9DY2 | 6EA2-E 4EA2-E | 4EA2-E 8EB2-E |
| 4EA3-E 6DY3 | 6EA2-E 4EA2-M | 4EA2-E 8EB2-M |
| 4EA3-E 6DY2 | 6EA2-M 4EA2-E | 4EA3-E 8EB2-E |
| 4EA3-E 4DY2 | 6EA2-M 4EA2-M | 4EA3-E 8E82-M |
| 4EA3-E 2DY2 | 4EA2-E 4EA2-E | 4EA2-E 6EB2-E |
| 4EA2-E 6DY3 | 4EA3-E 6EA2-E | 4EA2-E 6EB2-M |
| 4EA2-E 6DY2 | 4EA3-E 6EA2-M | 4EA3-E 6EB2-E |
| 4EA2-E 4DY2 | 4EA3-E 4EA2-E | 4EA3-E 6EB2-M |
| 4EA2-E 2DY2 | 4EA3-E 4EA2-M | 4EA2-M 8EB2-E |
| 4EA2-M 9DY3 | 4EA2-E 4EA2-M | |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 4EA2-M 8EB2-M | 9EA3 43F2 | 6EB3-E 9DY2 |
| 4EA2-M 6EB2-E | 9EA2 4SF2 | 6EB3-E 9DY3 |
| 4EA2-M 6EB2-M | 6EA2-E 4SF3 | 6EB2-E 6DY2 |
| | 6EA2-M 4SF3 | 6EB3-E 6DY2 |
| 6EA2-E 2LA2 | 6EA2-E 4SF2 | 6EB2-E 6DY3 |
| 6EA2-M 2LA2 | 6EA2-M 4SF2 | 6EB3-E 6DY3 |
| | 4EA3-E 4SF2 | 6EB2-E 4DY2 |
| 6EA2-E 2LB2 | 4EA2-E 4SF2 | 6EB3-E 2DY2 |
| 6EA2-M 2LB2 | 4EA2-M 4SF2 | 6EB3-E 4DY2 |
| | | 6EB2-M 9DY2 |
| 6EA2-E 2LC2 | 8EB2-E 4AC2 | 6EB2-M 9DY3 |
| 6EA2-M 2LC2 | 8EB2-M 4AC2 | 6EB2-M 6DY2 |
| | 8EB2-E 2AC2 | 6EB2-M 6DY3 |
| 6EA2-E 2LO3 | 8EB2-M 2AC2 | 6EB2-M 4DY2 |
| 6EA2-M 2LO3 | | 6EB2-E 2DY2 |
| 8EB2-E 9DY3 | 6EB2-M 2DY2 | |
| 6EA2-E 6LS2 | 8EB2-E 9DY2 | |
| 6EA2-M 6LS2 | 8EB2-E 6DY3 | 6EB3-E 9EA2 |
| 6EA2-E 4LS2 | 8EB2-E 6DY2 | 6EB3-E 9EA3 |
| 6EA2-M 4LS2 | 8EB2-E 4DY2 | 6EB3-E 6EA2-E |
| 6EA2-E 2LS2 | 8EB2-E 2DY2 | 6EB3-E 6EA2-M |
| 6EA2-M 2LS2 | 8EB2-M 9DY3 | 6EB3-E 4EA2-E |
| 6EA2-E 2LS3 | 8EB2-M 9DY2 | 6EB3-E 4EA2-M |
| 6EA2-M 2LS3 | 8EB2-M 6DY3 | |
| 8EB2-M 6DY2 | 8EB2-E 8EB2-E | |
| 6EA2-E 4RV2-T | 8EB2-M 4DY2 | 8EB2-E 8EB2-M |
| 6EA2-M 4RV2-T | 8EB2-M 2DY2 | 8EB2-M 8EB2-M |
| 6EA2-E 2RV2-T | 6EB2-E 9DY2 | 8EB2-E 6EB2-E |
| 6EA2-M 2RV2-T | 6EB2-E 9DY3 | 8EB2-E 6EB2-M |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 8EB2-M 6EB2-E | 8EB2-E 4RV2-T | 8EC2 8EB2-M |
| 8EB2-M 6EB2-M | 8EB2-M 4RV2-T | 8EC2 6EB2-E |
| 6EB2-E 6EB2-E | 8EB2-E 2RV2-T | 8EC2 6EB2-M |
| 6EB2-E 6EB2-M | 8EB2-M 2RV2-T | |
| 6EB3-E 8EB2-E | | 8EC2 4SF2 |
| 6EB3-E 8EB2-M | 8EB2-E 4SF2 | 6EX2-B 2GO3 |
| 6EB2-M 6EB2-M | 8EB2-M 4SF2 | 6EX2-A 6GS2 |
| 8EB2-E 4SF3 | 6EX2-A 4GS2 | |
| 8EB2-E 2LA2 | 8EB2-M 4SF3 | 6EX2-A 2GS2 |
| 8EB2-M 2LA2 | 6EB3-E 4SF2 | 6EX2-A 2GS3 |
| 6EB2-E 4SF2 | | |
| 8EB2-E 2LB2 | 6EB2-M 4SF2 | 6EX2-B 2LA2 |
| 8EB2-M 2LB2 | | |
| 8EC2 9DY2 | 6EX2-B 2LB2 | |
| 8EB2-E 2LC2 | 8EC2 9DY3 | |
| 8EB2-M 2LC2 | 8EC2 6DY2 | 6EX2-B 2LC2 |
| 84C2 6DY3 | | |
| 8EB2-E 2LO3 | 8EC2 4DY2 | 6EX2-B 2LO2 |
| 8EB2-M 2LO3 | 8EC2 2DY2 | 6EX2-B 2LO3 |
| | | |
| 8EB2-E 6LS2 | 8EC2 9EA2 | 6EX2-B 4LR2 |
| 8EB2-M 6LS2 | 8EC2 9EA3 | 6EX2-B 2LR2 |
| 8EB2-E 4LS2 | 8EC2 6EA2-E | |
| 8EB2-M 4LS2 | 8EC2 6EA2-M | 6EX2-A 6LS2 |
| 8EB2-E 2LS2 | 8EC2 4EA2-E | 6EX2-A 4LS2 |
| 8EB2-M 2LS2 | 8EC2 4EA2-M | 6EX2-A 2LS2 |
| 8EB2-E 2LS3 | | 6EX2-A 2LS3 |
| 8EB2-M 2LS3 | 8EC2 8EB2-E | |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 6EX2-A 4SF2 | 6LO2 6LS2 | 4LR2 4SF2 |
| 6EX2-B 4SF2 | 6LO2 4LS2 | 4LR3 4SF2 |
| | 6LO2 2LS2 | |
| 6GO2 6GS2 | 6LO2 2LS3 | 6LS2 2LA2 |
| 6GO2 4GS2 | 4LO2 6LS2 | 4LS2 2LA2 |
| 6GO2 2GS2 | 4LO2 4LS2 | 4LS3 2LA2 |
| 6GO2 2GS3 | 4LO3 6LS2 | 2LS2 2LA2 |
| 4GO2 6GS2 | 4LO3 4LS2 | 2LS3 2LA2 |
| 4GO3 6GS2 | 4LO3 2LS3 | |
| 4GO2 4GS2 | 4LO3 2LS2 | 6LS2 2LB2 |
| 4GO3 4GS2 | 4LO2 2LS2 | 4LS2 2LB2 |
| 4GO2 2GS2 | 4LO2 2LS3 | 4LS3 2LB2 |
| 4GO2 2GS3 | 2LO3 2LS3 | 2LS2 2LB2 |
| 4GO3 2GS2 | 2LO3 2LS2 | 2LS3 2LB2 |
| 4GO3 2GS3 | 2LO2 2LS2 | |
| 2GO2 2GS2 | 2LO2 2LS3 | 6LS2 2LC2 |
| 2GO3 2GS2 | | 4LS2 2LC2 |
| 2GO2 2GS3 | 6LO2 4SF2 | 4LS3 2LC2 |
| 2GO3 2GS3 | 4LO2 4SF2 | 2LS2 2LC2 |
| | 4LO3 4SF2 | 2LS3 2LC2 |
| 6GO2 4SF2 | | |
| 4GO2 4SF2 | 4LR2 4LR1 | 6LS2 2LO3 |
| 4GO3 4SF2 | 4LR3 2LR2 | 6LS2 2LO2 |
| | 4LR2 4LR2 | 4LS2 2LO2 |
| 6GS2 2GO2 | 4LR2 2LR2 | 4LS2 2LO3 |
| 4GS2 2GO2 | 2LR2 2LR2 | 4LS3 2LO2 |
| 4GS3 2GO2 | 2LR3 2LR2 | 4LS3 2LO3 |
| 4GS2 2GO3 | | |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 6LS2 4SF2 | 4SF3 9DY2 | 4SF3 2LA2 |
| 4LS3 4SF2 | 4SF2 9DY3 | |
| | 4SF3 6DY3 | 4SF2 2LB2 |
| 4NO2 6DA2 | 4SF2 6DY3 | 4SF3 2LB2 |
| 4NO2 4DA2 | 4SF2 6DY3 | |
| 4NO2 2DA2 | 4SF3 6DY2 | 4SF2 2LC2 |
| 2NO2 2DA2 | 4SF2 4DY2 | 4SF3 2LC2 |
| | 4SF3 4DY2 | |
| 4NO2 4DE2 | 4SF3 2DY2 | 4SF2 2LO3 |
| 4NO2 2DE2 | 4SF2 2DY2 | 4SF3 2LO3 |
| | | |
| 4NO2 4NO2 | 4SF3 9EA2 | 4SF2 2LR2 |
| 4NO2 2NO2 | 4SF3 9EA3 | 4SF3 4LR2 |
| 2NO2 2NO2 | 4SF3 4EA2-E | 4SF3 2LR2 |
| 2NO3 2NO2 | 4SF3 4EA2-M | |
| | | 4SF3 6LS2 |
| 2NO3 2PR2 | 4SF3 6EB2-E | 4SF2 4LS2 |
| | 4SF3 6EB2-M | 4SF3 4LS2 |
| 4RV2-0 4RV2-T | 4SF3 2GO3 | 4SF2 2LS2 |
| 4RV2-0 2RV2-T | 4SF3 6GS2 | 4SF2 2LS3 |
| 4RV2-0 2RV2-T | 4SF2 6GS2 | 4SF3 2LS2 |
| 4SF2 6GS2 | | 4SF3 2LS3 |
| 4RV2-0 4SF2 | 4SF3 4GS2 | |
| | 4SF2 2GS2 | 4SF3 4RV2-T |
| 4SF2 4AC2 | 4SF2 2GS3 | 4SF2 4RV2-T |
| 4SF2 2AC2 | 4SF3 2GS2 | 4SF2 2RV2-T |
| | 4SF3 2GS3 | 4SF3 2RV2-T |
| 4SF3 9DY3 | | |
| 4SF2 9DY2 | 4SF2 2LA2 | 4SF3 4SF3 |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | |
|---|---|
| 4SF3 | 4SF2 |
| 4SF2 | 4SF2 |
| 4TF2 | 4TF2 |
| 4TF2 | 2TF2 |
| 2TF3 | 2TF2 |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(D) Program Audio

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 4AH5-B 2PG1-3 | 4AH6-D 2PG1-3 | 4DS8-I5F 2PG2-5 |
| 4AH5-B 2PG1-5 | 4AH6-D 2PG1-5 | 4DS8-I5G 2PG2-8 |
| 4AH5-B 2PG1-8 | 4AH6-D 2PG1-8 | 4DS8-15H 2PG2-1 |
| 4AH5-B 2PG2-3 | 4AH6-D 2PG2-3 | 2PG2-1 2PG1-1 |
| 4AH5-B 2PG2-5 | 4AH6-D 2PG2-5 | 2PG2-1 2PG2-I |
| 4AH5-B 2PG2-8 | 4AH6-D 2PG2-8 | 2PG2-3 2PGI-3 |
| 4AH6-C 2PG1-3 | 4DS8-15E 2PG1-3 | 2PG2-3 2PG2-3 |
| 4AH6-C 2PG1-5 | 4DS8=15F 2PG1-5 | 2PG2-5 2PG1-5 |
| 4AH6-C 2PG1-8 | 4DS8-15G 2PG1-8 | 2PG2-5 2PG2-5 |
| 4AH6-C 2PG2-3 | 4DS8-15H 2PG1-1 | 2PG2-8 2PG1-8 |
| 8AH6-C 2PG2-5 | 4DS8-15E 2PG2-3 | 2PG2-8 2PG2-8 |

(E) Video

| Compatible CIs | Compatible CIs |
|---|---|
| 2TV6-1 4TV6-15 | 4TV7-5 4TV6-5 |
| 4TV7-15 | 4TV7-5 |
| 2TV6-2 6TV6-15 | 4TV7-15 4TV6-15 |
| 6TV7-15 | 4TV7-15 |
| 2TV7-1 4TV6-15 | 6TV6-5 6TV6-5 |
| 4TV7-15 | 6TV7-5 |
| 2TV7-2 6TV6-15 | 6TV6-15 6TV6-15 |
| 6TV7-15 | 6TV7-15 |
| 4TV6-5 4TV6-5 | 6TV7-5 6TV6-5 |
| 4TV7-5 | 6TV7-5 |
| 4TV6-15 4TV6-15 | 6TV7-15 6TV6-15 |
| 4TV7-15 | 6TV7-15 |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(F) Wideband Analog

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 4AH5-B 4AH5-B | | 4WD5-I 4WA5-1 |
| 4AH6-C 4AH5-B | | 4WD5-2 4WA5-I |
| 4AH6-C 4AH6-C | 4AH6-D 4AH6-D | 4WD5-3 4WA5-2 |
| 4AH6-D | 4AH5-B 4AH5-B | 4DS8-15 |
| 4AH6-D | 4AH6-C 4AH5-B | 4DU8-A,B, or C |
| 4AH6-C | 4DU8-A,B, or C | |
| | 4AH6-D | 4DU8-A,B, or C |

(G) Wideband Data

| Compatible CIs | Compatible CIs | Compatible CIs |
|---|---|---|
| 8WB5-18S 12WC6-18 | 8WB5-23A 1OWC6-23 | 8WB5-5OA 1OWC6-50 |
| 8WB5-19A 1OWC6-19 | 8WB5-23S 12W6-23S | 8WB5-5OS 12WB6-50 |
| 8WB5-19S 12WC6-19 | 8WB5-4OS 12W6-40 | |

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(H) Digital Data

(1) Digital Data

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| | | 4DS8-15 | 6DU5-48 | | |
| 4DS8-15 | 4DU8-15+ | 4DS8-15 | 6DU5-56 | 4DU5-96 | 4DU5-96 |
| 4DS8-15 | 4DU8-24 | 4DS8-15 | 6DU5-96 | 6DU5-24 | 6DU5-24 |
| 4DS8-15 | 4DU8-48 | 4DU5-24 | 4DU5-24 | 6DU5-48 | 6DU5-48 |
| 4DS8-15 | 4DU8-56 | 4DU5-48 | 4DU5-48 | 6DU5-56 | 6DU5-56 |
| 4DS8-15 | 6DU5-96 | 4DU8-56 | 4DU5-56 | 6DU5-96 | 6DU5-96 |
| 4DS8-I5 | 6DU5-24 | | | | |

\+ Available only as a cross connect of two digital circuits at appropriate digital speeds at a Telephone Company hub.

## 9. Interface Groups, Transmission Specifications and Channel Codes (Cont'd)

### 9.3 Channel Interface and Network Channel Codes (Cont'd)

#### 9.3.5 Compatible Channel Interfaces (Cont'd)

(I) High Capacity

| Compatible CIs | Compatible CIs |
|---|---|
| | 4DS8-15 4DU8-8 |
| 4DSO-63 4DSO-63 | 4DS8-I5J 6DU8-A |
| 4DSO-63 6DU8-A,B or C | 4DS8-15J 4DU8-A |
| 4DSO-63 4DU8-A,B or C | 4DS8-15K 6DU8-B |
| 4DS6-27 4DS6-27 | 4DS8-I5K 4DU8-B |
| 4DS6-27 6DU8-A,B or C | 4DS8-15K 6DU8-C |
| 4DS6-27 4DU8-A,B or C | 4DS8-15K 4D78-C |
| 4DS6-44 4DS6-44 | 4DS9-31 4DS9-31 |
| 4DS6-44 6DU8-A,B or C | 4DS9-31 6DU8-A,B or C |
| 4DS6-44 4DU8-A,B or C | 4DS9-4DU8-A,B or C |
| 4DS8-15 4DS8-15+ 4DU9-A,B or C | 4DU8-A,B or C |
| 4DS8-15 6DU8-B | |

+ Available only as a cross connect of two individual circuits of 1.544 Mbps facilities at a Telephone Company hub.

## 10. Special Federal Government Access Services

### 10.1 General

This section covers Special Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Telephone Company or customer.

## 10. Special Federal Government Access Services (Cont'd)

### 10.2 Emergency Conditions

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

- State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").

- Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad. (Includes space vehicle recovery and protection efforts.)

- Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.

- The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.

- Political unrest in foreign countries which affect the national interest.

- Presidential service.

## 10. Special Federal Government Access Services (Cont'd)

### 10.3 Intervals to Provide Service

Services provided under the provisions of this section of the tariff are provided on an individual case basis. Therefore, orders for such service shall be placed under the Negotiated Interval provisions set forth in 5.1.7 preceding.

### 10.4 Safeguarding of Service

#### 10.4.1 Facility Availability

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to provide service.

### 10.5 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provisions of this tariff to provide their services to the Federal Government.

**10. Special Federal Government Access Services (Cont'd)**

**10.6 Service Offerings to the Federal Government**

The following unique services are provided to a customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers. The rates and charges for these services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

**10.6.1 Type and Description**

(A) Voice Grade Special Access Services

(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50,000 Hertz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between an IC premises and an end user's premises. Services are conditioned as follows:

T-3 Conditioning - The absolute loss (referenced to 1 milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz
13 dB at 100 Hz
9 dB at 1,000 Hz
20 dB at 10,000 Hz
30 dB at 50,000 Hz

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0 db at 1,000 Hz
1 dB between 1,000 Hz and 40,000 Hz
2 dB between 10 Hz and 50,000 Hz
(+ means more loss)

**10. Special Federal Government Access Services (Cont'd)**

**10.6 Service Offerings to the Federal Government (Cont'd)**

**10.6.1 Type and Description (Cont'd)**

(A) Voice Grade Special Access Services (Cont'd)

(1) Voice Grade Secure Communications Type I (Cont'd)

The net loss of the conditioned service (with or without additional conditioning) shall not vary by more than four dB at 1,000 Hz from the levels specified above. Voice frequency signaling or supervisory tones can be transmitted.

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises on an end user's premises and an end user's premises. Services are conditioned as follows:

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type I services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

**10. Special Federal Government Access Services (Cont'd)**

**10.6 Service Offerings to the Federal Government (Cont'd)**

**10.6.1 Type and Description (Cont'd)**

(A) Voice Grade Special Access Services (Cont'd)

(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises switch and an end user's premises. Services are conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the switch to an end user's premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; from an end user's premises to the switch shall be the same as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50,000 HZ. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between two IC premises switches. Services are conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

**10. Special Federal Government Access Services (Cont'd)**

**10.6 Service Offerings to the Federal Government (Cont'd)**

**10.6.1 Type and Description (Cont'd)**

(B) Wideband Digital Special Access Service

Service arrangements for secured communications to accommodate the transmission of binary digital baseband signals in a random polar format.

(1) Wideband Secure Communications Type I

For transmission at the rate of 18,750 bits per second.

(2) Wideband Secure Communications Type II

For transmission at the rate of 50,000 bits per second.

(3) Wideband Secure Communications Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of twenty microseconds at a rate of 50,000 bits per second.

To accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50,000 bits per second.

## 10. Special Federal Government Access Services (Cont'd)

### 10.6 Service Offerings to the Federal Government (Cont'd)

#### 10.6.1 Type and Description (Cont'd)

(C) Special Routing Access Service

Special Routing Access Service is furnished only to AT&T Communications (AT&T-C) for an agency or branch of the Federal Government. This service provides the customer's end users the ability to originate and terminate calls to or from the customer's premises utilizing a Special Routing Plan.

This service is an optional service which operates in conjunction with Trunk Side Premium Access Service furnished to AT&T-C under other provisions of this tariff.

#### 10.6.2 Mileage Application

Mileage, when used for rate application between two customer premises, shall be determined by the V and H Coordinates Method as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. No. 4 and administered as set forth in Section 7.5.5.

## 10. Special Federal Government Access Services (Cont'd)

### 10.6 Service Offerings to the Federal Government (Cont'd)

#### 10.6.3 Rates and Charges

(A) Voice Grade Special Access Service

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Separate narrowband or voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

| Voice Grade Secure Communications | USOC | Monthly Rates | Nonrecurring Charges | Termination Charges |
|---|---|---|---|---|
| Type I, each T-3 Conditioning, | GCA++ | ICB rates and charges apply | | |
| Additional Conditioning, per service termination | GTO++ | ICB rates and charges apply | | |
| Type II, each G-I Conditioning, | GCB++ | ICB rates and charges apply | | |
| Type III, each G-2 Conditioning, | GCC++ | ICB rates and charges apply | | |
| Additional Conditioning, per service termination | G20++ | ICB rates and charges apply | | |

| Voice Grade Secure Communications | USOC | Monthly Rates | Nonrecurring Charges | Termination Charges |
|---|---|---|---|---|
| Type VI, each G-3 Conditioning, | GCD++ | ICB rates and charges apply | | |
| Additional Conditioning, per service termination | G3O++ | ICB rates and charges apply | | |

**10. Special Federal Government Access Services (Cont'd)**

**10.6 Service Offerings to the Federal Government (Cont'd)**

**10.6.3 Rates and Charges (Cont'd)**

(B) Wideband Digital Special Access Service

| Wideband Secure Communications | USOC | Monthly Rates | Nonrecurring Charges | Termination Charges |
|---|---|---|---|---|
| Type I, each | GW1++ | ICB rates and charges apply | | |
| Type II, each | GW2++ | ICB rates and charges apply | | |
| Type III, each | GW3++ | ICB rates and charges apply | | |

(C) Move Charges

(1) When service without a termination charge associated with it, as set forth in (A) and (B) preceding, is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.

**10. Special Federal Government Access Services (Cont'd)**

**10.6 Service Offerings to the Federal Government (Cont'd)**

**10.6.3 Rates and Charges (Cont'd)**

(C) Move Charges (Cont'd)

(2) When service with a termination charge associated with it, as set forth in (A) and (B) preceding, is moved and is reinstalled at a new location, the customer may elect:

- to pay the unexpired portion of the termination charge for the service, if any, with the application of nonrecurring charge and the establishment of a new termination charge for such service at the new location, or

- to continue service subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

Move charges include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.

**10. Special Federal Government Access Services (Cont'd)**

**10.6 Service Offerings to the Federal Government (Cont'd)**

**10.6.3 Rates and Charges (Cont'd)**

(D) Special Routing Access Services

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this tariff to operate in conjunction with this service:

| | | USOC | Monthly Rates | Nonrecurring Charges |
|---|---|---|---|---|
| (1) | Special Routing Access Service Special Routing Plan Setup, per Switching System | GCD++ | - | $ 200.00 |
| (2) | Special Routing Access Service Trunk Group Setup, per End Office or Tandem Office, Switching System per occurrence | GID | - | 1,000.00 |
| (3) | Special Routing Access Service Mode Selection (Active or De-active), per Switching System per occurrence | GIE | - | 200.00 |
| (4) | Special Routing Access Service Maintenance and Administration, per Switching System per month* | GIM | 150.00 | - |

* This rate applies only to Switching Systems with this feature.

## 11. Special Facilities Routing of Access Services

### 11.1 Description of Special Facilities Routing of Access Services

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

#### 11.1.1 Diversity

Two or more services must be provided over not more than two different physical routes. Diversity is a Basic Service Element (BSE) under the Telephone Company's Open Network Architecture (ONA) Plan.

#### 11.1.2 Avoidance

A service must be provided on a route which avoids specified geographical locations.

## 11. Special Facilities Routing of Access Services (Cont'd)

### 11.1 Description of Special Facilities Routing of Access Services (Cont'd)

#### 11.1.3 Cable-Only Facilities

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access Service as set forth in 6. preceding; Metallic and Telegraph Grade, Voice Grade and Wideband Analog Special Access Services as set forth in Section 7.3, 7.4, 7.5 and 7 and 10.6 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in Section 6 preceding; Voice Grade Special Access Services as set forth in 7.5 preceding and Special Federal Government Access Services as set forth in 10.6 preceding.

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

The rates and charges for Special Facilities Routing of Access Services as set forth in 11.2 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

## 11. Special Facilities Routing of Access Services (Cont'd)

### 11.2. Rates and Charges for Special Facilities Routing of Access Service

The rates and charges for Special Facilities Routing of Access Services are as follows:

#### 11.2.1 Diversity

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis and filed following:

USOC

SYD++

#### 11.2.2 Avoidance

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis and filed following:

USOC

SYA++

**11. Special Facilities Routing of Access Services (Cont'd)**

**11.2 Rates and Charges for Special Facilities Routing of Access Services (Cont'd)**

**11.2.3 Diversity and Avoidance Combined**

For each service provided in accordance with 11.1.1 and 11.1.2 preceding, combined, the rates and charges will be developed on an individual case basis and filed following:

USOC

SYB++

**11.2.4 Cable-Only Facilities**

For each service provided in accordance with 11.1.3 preceding, the rates and charges will be developed on an individual case basis and filed following:

USOC

SYC++

## 12. Specialized Service or Arrangements

### 12.1 General

Specialized Service or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- The requested service or arrangements are provided within a LATA.
- The requested service or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

### 12.2 Rates and Charges

Rates and charges and additional regulations if applicable, for specialized service or arrangements provided on an individual case basis are filed following:

Case No. 87-1 Customer: Norlight
Location: DeKalb, Illinois

Provision of a fiber optic system and electronics (with capacity of 28 DS1s or 1 DS3) over 6 fiber facilities between the CTC of Illinois Central Office, DeKalb, Illinois, and the Norlight POT at 13th and Clark Street, DeKalb, Illinois.

**12. Specialized Service or Arrangements (Cont'd)**

**12.2 Rates and Charges (Cont'd)**

**Case No. 87-1 (Cont'd)**

| | |
|---|---|
| Nonrecurring Charge | $4564.00 |
| Monthly Rate[1] | $4838.00 |

(1) The minimum billing period for this Specialized Arrangement is 60 months. In the event these services are terminated prior to the end of the minimum billing period, Norlight will pay Continental Telephone of Illinois the net present value of all remaining payments, calculated with a discount rate equal to the Federal Communications Commission authorized rate of return for Continental Telephone of Illinois' Interstate Special Access Services on the date of termination.

## 13. Exceptions to Access Service Offerings

The service offered under the provisions of this tariff are subject to availability as set forth in 2.1.4 preceding. In addition, the following exceptions apply:

(Paragraphs 13.1 through 13.5 following are reserved for future listing. In the meantime, in planning an end-to-end service, the customer should contact the Telephone Company in each customer premises city to assure itself that all of the service or service components required for a given customer service are currently available).

**13.1 The following service(s) is (are) not offered in the operating territory of listed Issuing Carriers.**

(Reserved for future use).

**13.2 The following offering(s) is (are) limited to existing locations. No inside moves, rearrangements or additions will be permitted.**

(Reserve for future use).

**13.3 The following offering(s) is (are) limited to existing locations. Inside moves or rearrangements may be undertaken. However, no additions will be permitted.**

(Reserve for future use).

**13.4 The following offering(s) is (are) limited to existing locations where additional units may be added for growth. Inside moves or rearrangements may be undertaken.**

(Reserved for future use).

**13.5 The following offering(s) is (are) limited to existing locations where additional units may be added for growth. However inside moves or rearrangements will not be permitted.**

(Reserved for future use).

## 14. EAS AND ACCESS TANDEM BILLING ARRANGEMENTS

### 14.1 General

This section sets forth information concerning the provision of Access Services by more than one exchange telephone company when providing Feature Group A in an Extended Area Service arrangement or Feature Group B in an Access Tandem arrangement, and such companies do not provide service under the same access service tariff. It is an adjunct to other sections of this tariff such as Ordering (Section 5) and Switched Access Service (Section 6).

### 14.2 Billing of Switched Access Service Feature Group A in Extended Area Service Arrangements

(A) Where the customer is provided Switched Access Service Feature Group A, in an Extended Area Service arrangement as set forth in 2.4.7(C) preceding, the Telephone Company may apply additional Switched Access Service rates. The application of such additional charges depends upon whether or not there exists a revenue sharing arrangement between the Telephone Company and the Primary Exchange Carrier (PEC). The Primary Exchange Carrier is the exchange telephone company in whose exchange the first point of switching for Feature Group A is located. Listed below, by state, is information concerning which Telephone Companies bill the additional Switched Access Service charges and which do not.

## 14. EAS AND ACCESS TANDEM BILLING ARRANGEMENTS (Cont'd)

### 14.2 Billing of Switched Access Service Feature Group A in Extended Area Service Arrangements (Cont'd)

State - Minnesota

PEC - Northwestern Bell Telephone Co.

| CTCs Applying Add'l. Chgs. | CTCs Not Applying Add'l. Chgs. |
|---|---|
| Citizens Telecommunications of Minnesota, Inc. | |

## 14. EAS AND ACCESS TANDEM BILLING ARRANGEMENTS (Cont'd)

### 14.3 Billing of Switched Access Service Feature Group B in Access Tandem Arrangements

(A) Where the customer is provided Switched Access Service Feature Group B in an Access Tandem arrangement, the Telephone Company may apply additional Switched Access Service rates. The application of such additional charges depends upon whether or not there exists a revenue sharing arrangement between the Telephone Company and the Primary Exchange Carrier (PEC). The Primary Exchange Carrier is the exchange telephone company in whose exchange the first point of switching for Feature Group B is located. Listed below, by state, is information concerning which Telephone Companies bill the additional Switched Access Service charges and which do not.

## 14. EAS AND ACCESS TANDEM BILLING ARRANGEMENTS (Cont'd)

### 14.3 Billing of Switched Access Service Feature Group B in Access Tandem Arrangements (Cont'd)

(B) State - Minnesota

PEC - Northwestern Bell Telephone Co.

| CTCs Applying Add'l Chgs. | CTCs Not Applying Add'l Chgs. |
|---|---|
| CTC Minnesota | |

**15. (Reserved for Future Use)**

**Access Service**

Regulations, Rates and Charges
applying to the provision of Access Services
for connection to intrastate communications facilities
for customers within the operating territories of

Citizens Telecommunications Company of Minnesota, LLC T

*DBA*

Frontier Citizens Communications of Minnesota

In the State of

**MINNESOTA**

as provided herein.

Access Services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof.



**Vice President Regulatory & Government Affairs**
**Citizens Communications Company**
**180 S. Clinton Ave.**
**Rochester, NY 14646**

| Page(s) | Revised |
|---|---|
| **Title** | **Page** |
| 1 | 2nd Rev. |
| 2 | Original |
| | |
| **Check** | **Sheets** |
| 1 | 17th Rev.* |
| 2 | 9th Rev.* |
| 3 | 2nd Rev.* |
| 4 | 1st Rev. |
| 5 | 2nd Rev. |
| 6 | 3rd Rev. |
| 7 | 2nd Rev. |

| Page(s) | Revised |
|---|---|
| **Table of** | **Contents** |
| 8 | Original |
| 9 | 1st Rev |
| 10 | Original |
| 11 | Original |
| 12 | Original |

| Page(s) | Revised |
|---|---|
| **Carriers** | |
| 13 | Original |
| | |
| **Abbrev** | **Symbols** |
| 14 | Original |
| 15 | Original |
| 16 | Original |
| | |
| **Ref.** | |
| 17 | Original |
| 18 | Original |

| Page(s) | Revised | Page(s) | Revised | Page(s) | Revised |
|---|---|---|---|---|---|
| 19 | Original | 49 | Original | 79 | Original |
| 20 | Original | 50 | Original | 80 | Original |
| 21 | Original | 51 | Original | 81 | Original |
| 22 | Original | 52 | Original | 82 | Original |
| 23 | Original | 53 | 1st Rev | 83 | Original |
| 24 | Original | 54 | Original | 84 | Original |
| 25 | Original | 55 | Original | 85 | Original |
| 26 | Original | 56 | Original | 85 | Original |
| 27 | Original | 57 | Original | 87 | Original |
| 28 | Original | 58 | Original | 88 | Original |
| 29 | Original | 59 | Original | 89 | Original |
| 30 | Original | 60 | Original | 90 | Original |
| 31 | Original | 61 | Original | 91 | 3rd Rev.* |
| 32 | Original | 62 | Original | 92 | Original |
| 33 | Original | 63 | Original | 93 | Original |
| 34 | Original | 64 | Original | 94 | Original |
| 35 | Original | 65 | Original | 95 | Original |
| 36 | Original | 66 | Original | 96 | Original |
| 37 | Original | 67 | Original | 97 | Original |
| 38 | Original | 68 | Original | 98 | Original |
| 39 | Original | 69 | Original | 99 | Original |
| 40 | Original | 70 | Original | 100 | Original |
| 41 | Original | 71 | Original | 101 | Original |
| 42 | Original | 72 | Original | 102 | Original |
| 43 | Original | 73 | Original | 103 | Original |
| 44 | Original | 74 | Original | 104 | Original |
| 45 | Original | 75 | Original | 105 | Original |
| 46 | Original | 76 | Original | 106 | Original |
| 47 | Original | 77 | Original | 107 | 3rd Rev |
| 48 | Original | 78 | Original | 108 | 1st Rev |

| Page(s) | Revised | Page(s) | Revised | Page(s) | Revised |
|---|---|---|---|---|---|
| 109 | 1st Rev | 139 | 1st Rev | 169 | 1st Rev |
| 110 | 1st Rev | 140 | 1st Rev | 170 | 1st Rev |
| 111 | 1st Rev | 141 | 1st Rev | 171 | 1st Rev |
| 112 | 1st Rev | 142 | 1st Rev | 172 | 1st Rev |
| 113 | 1st Rev | 143 | 1st Rev | 173 | 1st Rev |
| 114 | 1st Rev | 144 | 1st Rev | 174 | 1st Rev |
| 115 | 1st Rev | 145 | 1st Rev | 175 | 1st Rev |
| 116 | 1st Rev | 146 | 1st Rev | 176 | 1st Rev |
| 117 | 1st Rev | 147 | 1st Rev | 177 | 1st Rev |
| 118 | 4th Rev.* | 148 | 1st Rev | 178 | 1st Rev |
| 119 | 1st Rev | 149 | 1st Rev | 179 | 1st Rev |
| 120 | 1st Rev | 150 | 1st Rev | 180 | 1st Rev |
| 121 | 1st Rev | 151 | 1st Rev | 181 | 1st Rev |
| 122 | 1st Rev | 152 | 1st Rev | 182 | 1st Rev |
| 123 | 1st Rev | 153 | 1st Rev | 183 | 1st Rev |
| 124 | 1st Rev | 154 | 1st Rev | 184 | 1st Rev |
| 125 | 1st Rev | 155 | 1st Rev | 185 | 1st Rev |
| 126 | 1st Rev | 156 | 1st Rev | 186 | 1st Rev |
| 127 | 1st Rev | 157 | 1st Rev | 187 | 1st Rev |
| 128 | 1st Rev | 158 | 1st Rev | 188 | 1st Rev |
| 129 | 1st Rev | 159 | 1st Rev | 189 | 1st Rev |
| 130 | 1st Rev | 160 | 1st Rev | 190 | 1st Rev |
| 131 | 1st Rev | 161 | 1st Rev | 191 | 1st Rev |
| 132 | 1st Rev | 162 | 1st Rev | 192 | 1st Rev |
| 133 | 1st Rev | 163 | 1st Rev | 193 | 1st Rev |
| 134 | 1st Rev | 164 | 1st Rev | 194 | 1st Rev |
| 135 | 1st Rev | 165 | 1st Rev | 195 | 1st Rev |
| 136 | 1st Rev | 166 | 1st Rev | 196 | 1st Rev |
| 137 | 1st Rev | 167 | 1st Rev | 197 | 1st Rev |
| 138 | 1st Rev | 168 | 1st Rev | 198 | 1st Rev |

| Page(s) | Revised | | Page(s) | Revised | | Page(s) | Revised | |
|---|---|---|---|---|---|---|---|---|
| 199 | 1st Rev | * | 230 | 1st Rev | * | 261 | 1st Rev | * |
| 200 | 1st Rev | * | 231 | 1st Rev | * | 262 | 1st Rev | * |
| 201 | 1st Rev | * | 232 | 1st Rev | * | 263 | 1st Rev | * |
| 202 | 1st Rev | * | 233 | 1st Rev | * | 264 | 1st Rev | * |
| 203 | 1st Rev | * | 234 | 1st Rev | * | 265 | 1st Rev | * |
| 204 | 1st Rev | * | 235 | 1st Rev | * | 266 | 1st Rev | * |
| 205 | 1st Rev | * | 236 | 1st Rev | * | 267 | 1st Rev | * |
| 206 | 1st Rev | * | 237 | 1st Rev | * | 268 | 1st Rev | * |
| 207 | 1st Rev | * | 238 | 1st Rev | * | 269 | 1st Rev | * |
| 208 | 1st Rev | * | 239 | 1st Rev | * | 270 | 1st Rev | * |
| 209 | 1st Rev | * | 240 | 1st Rev | * | 271 | 1st Rev | * |
| 210 | 1st Rev | * | 241 | 1st Rev | * | 272 | 1st Rev | * |
| 211 | 1st Rev | * | 242 | 1st Rev | * | 273 | 1st Rev | * |
| 212 | 1st Rev | * | 243 | 1st Rev | * | 274 | 1st Rev | * |
| 213 | 1st Rev | * | 244 | 1st Rev | * | 275 | 1st Rev | * |
| 214 | 1st Rev | * | 245 | 1st Rev | * | 276 | 1st Rev | * |
| 215 | 1st Rev | * | 246 | 1st Rev | * | 277 | 1st Rev | * |
| 216 | 1st Rev | * | 247 | 1st Rev | * | 278 | 1st Rev | * |
| 217 | 1st Rev | * | 248 | 1st Rev | * | 279 | 1st Rev | * |
| 218 | 1st Rev | * | 249 | 1st Rev | * | 280 | 1st Rev | * |
| 219 | 1st Rev | * | 250 | 1st Rev | * | 281 | 1st Rev | * |
| 220 | 1st Rev | * | 251 | 1st Rev | * | 282 | 1st Rev | * |
| 221 | 1st Rev | * | 252 | 1st Rev | * | 283 | 1st Rev | * |
| 222 | 1st Rev | * | 253 | 1st Rev | * | 284 | 1st Rev | * |
| 223 | 1st Rev | * | 254 | 1st Rev | * | 285 | 1st Rev | * |
| 224 | 1st Rev | * | 255 | 1st Rev | * | 286 | 1st Rev | * |
| 225 | 1st Rev | * | 256 | 1st Rev | * | 287 | 1st Rev | * |
| 226 | 1st Rev | * | 257 | 1st Rev | * | 288 | 1st Rev | * |
| 227 | 1st Rev | * | 258 | 1st Rev | * | 289 | 1st Rev | * |
| 228 | 1st Rev | * | 259 | 1st Rev | * | 290 | 1st Rev | * |
| 229 | 1st Rev | * | 260 | 1st Rev | * | 291 | 1st Rev | * |

| Page(s) | Revised | Page(s) | Revised | | Page(s) | Revised |
|---|---|---|---|---|---|---|
| 292 | 1st Rev | 322 | 2nd Rev | | 352 | Original |
| 293 | 1st Rev | 323 | 2nd Rev | | 353 | Original |
| 294 | 1st Rev | 324 | 1st Rev | | 354 | Original |
| 295 | 1st Rev | 325 | 1st Rev | | 355 | Original |
| 296 | 1st Rev | 326 | 2nd Rev | | 356 | Original |
| 297 | 1st Rev | 327 | 1st Rev | | 357 | Original |
| 298 | 1st Rev | 328 | Original | | 358 | Original |
| 299 | 1st Rev | 329 | Original | | 359 | Original |
| 300 | 1st Rev | 330 | Original | | 360 | Original |
| 301 | 1st Rev | 331 | Original | | 361 | Original |
| 302 | 1st Rev | 332 | 1st Rev | * | 362 | Original |
| 303 | 1st Rev | 333 | Original | | 363 | Original |
| 304 | 1st Rev | 334 | Original | | 364 | Original |
| 305 | 1st Rev | 335 | Original | | 365 | Original |
| 306 | 1st Rev | 336 | Original | | 366 | Original |
| 307 | 1st Rev | 337 | Original | | 367 | Original |
| 308 | 1st Rev | 338 | Original | | 368 | Original |
| 309 | 1st Rev | 339 | Original | | 369 | Original |
| 310 | 1st Rev | 340 | Original | | 370 | Original |
| 311 | 1st Rev | 341 | Original | | 371 | Original |
| 312 | 1st Rev | 342 | Original | | 372 | Original |
| 313 | 1st Rev | 343 | Original | | 373 | Original |
| 314 | 1st Rev | 344 | Original | | 374 | Original |
| 315 | 1st Rev | 345 | Original | | 375 | Original |
| 316 | 1st Rev | 346 | Original | | 376 | Original |
| 317 | 1st Rev | 347 | Original | | 377 | Original |
| 318 | 1st Rev | 348 | Original | | 378 | Original |
| 319 | 1st Rev | 349 | Original | | 379 | Original |
| 320 | 1st Rev | 350 | Original | | 380 | Original |
| 321 | 2nd Rev | 351 | Original | | 381 | Original |

| Page(s) | Revised | Page(s) | Revised | Page(s) | Revised |
|---|---|---|---|---|---|
| 382 | Original | 412 | Original | 442 | Original |
| 383 | Original | 413 | Original | 443 | Original |
| 384 | Original | 414 | Original | 444 | Original |
| 385 | Original | 415 | Original | 445 | 1st Rev |
| 386 | Original | 416 | Original | 446 | 1st Rev |
| 387 | Original | 417 | Original | 447 | Original |
| 388 | Original | 418 | Original | 448 | Original |
| 389 | Original | 419 | Original | 449 | Original |
| 390 | Original | 420 | Original | 450 | Original |
| 391 | Original | 421 | Original | 451 | Original |
| 392 | Original | 422 | Original | 452 | Original |
| 393 | Original | 423 | Original | 453 | Original |
| 394 | Original | 424 | Original | 454 | Original |
| 395 | Original | 425 | Original | 455 | Original |
| 396 | Original | 426 | Original | 456 | Original |
| 397 | Original | 427 | Original | 457 | Original |
| 398 | Original | 428 | Original | 458 | Original |
| 399 | Original | 429 | Original | 459 | Original |
| 400 | Original | 430 | Original | 460 | Original |
| 401 | Original | 431 | Original | 461 | Original |
| 402 | Original | 432 | Original | 462 | Original |
| 403 | Original | 433 | Original | 463 | Original |
| 404 | Original | 434 | Original | 464 | Original |
| 405 | Original | 435 | Original | 465 | Original |
| 406 | Original | 436 | Original | 466 | Original |
| 407 | Original | 437 | Original | 467 | Original |
| 408 | Original | 438 | Original | 468 | Original |
| 409 | Original | 439 | Original | 469 | Original |
| 410 | 1st Rev | 440 | Original | 470 | Original |
| 411 | Original | 441 | Original | 471 | Original |

| Page(s) | Revised | Page(s) | Revised | | Page(s) | Revised |
|---|---|---|---|---|---|---|
| 472 | Original | 502 | Original | | | |
| 473 | Original | 503 | Original | | | |
| 474 | Original | 504 | Original | | | |
| 475 | Original | 505 | Original | | | |
| 476 | Original | 506 | Original | | | |
| 477 | Original | 507 | Original | | | |
| 478 | Original | 508 | Original | | | |
| 479 | Original | 509 | Original | | | |
| 480 | Original | 510 | Original | | | |
| 481 | Original | 511 | Original | | | |
| 482 | Original | 512 | Original | | | |
| 483 | Original | 513 | Original | | | |
| 484 | Original | 514 | Original | | | |
| 485 | Original | 515 | Original | | | |
| 486 | Original | 516 | Original | | | |
| 487 | Original | 517 | Original | | | |
| 488 | Original | 518 | Original | | | |
| 489 | Original | 519 | Original | | | |
| 490 | Original | 520 | 2nd Rev | * | | |
| 491 | Original | 521 | Original | | | |
| 492 | Original | 522 | Original | | | |
| 493 | Original | 523 | Original | | | |
| 494 | Original | | | | | |
| 495 | Original | | | | | |
| 496 | Original | | | | | |
| 497 | Original | | | | | |
| 498 | Original | | | | | |
| 499 | Original | | | | | |
| 500 | Original | | | | | |
| 501 | Original | | | | | |

## TABLE OF CONTENTS

| | | | Page |
|---|---|---|---|
| Title Page | | | Title 1 |
| Check Sheet | | | 1 |
| Table of Contents | | | 8 |
| Carriers | | | 13 |
| Explanation of Abbreviations | | | 15 |
| Explanation of Symbols | | | 15 |
| Reference to Technical Publications | | | 18 |
| **1.** | **APPLICATION OF TARIFF** | | 21 |
| **2.** | **GENERAL REGULATIONS** | | 22 |
| | **2.1** | **Undertaking of the Telephone Company** | 22 |
| | **2.2** | **Use** | 34 |
| | **2.3** | **Obligation of the Customer** | 35 |
| | **2.4** | **Payment Arrangements and Credit Allowances** | 40 |
| | **2.5** | **Connections** | 45 |
| | **2.6** | **Definitions** | 46 |
| | **2.7** | **FIA Services Provided By More Than One Telephone Company** | 70 |
| **3.** | **ORDERING OPTIONS FOR FIA** | | 84 |
| | **3.1** | **General** | 84 |
| | **3.2** | **Access Service Request** | 91 |
| | **3.3** | **Access Service Requests For Services Provided By More Than One Telephone Company** | 104 |
| | **3.4** | **(Reserved for Future Use)** | 105 |
| | **3.5** | **Switched Access Minimum Capacity Requirements** | 105 |

## TABLE OF CONTENTS (Cont'd)

| | | Page |
|---|---|---|
| **4.** | **SWITCHED ACCESS** | 107 |
| **4.1** | **General** | 107 |
| **5.** | **SPECIAL ACCESS** | 328 |
| **5.1** | **General** | 328 |
| **5.2** | **Description of Special Access** | 345 |
| **5.3** | **Description of Terminating Options** | 353 |
| **5.4** | **Description of Supplemental Features** | 360 |
| **5.5** | **Description of Multiplexing Arrangements** | 372 |
| **5.6** | **Rate Regulations** | 376 |
| **5.7** | **Rates and Charges** | 399 |
| **5.8** | **Miscellaneous Special Access Services** | 413 |
| **5.9** | **(Reserved for Future Use)** | 413 |

(D)
(D)

## TABLE OF CONTENTS (Cont'd)


| | | Page |
|---|---|---|
| 6. | MISCELLANEOUS SERVICES | 414 |
| 6.1 | General | 414 |
| 6.2 | Additional Labor | 415 |
| 6.3 | Maintenance of Service Charge | 418 |
| 6.4 | Telecommunications Service Priority (TSP) System | 419 |
| 6.5 | Balloting and Allocation Process For Equal Access | 427 |
| 6.6 | Additional Testing | 447 |
| 6.7 | Provision of FIA Billing Information | 457 |
| 6.8 | End User/Agent Lists | 458 |
| 6.9 | Billing Name and Address Services (BNAS) | 466 |
| 7. | SPECIALIZED FIA OR ARRANGEMENTS | 472 |
| 7.1 | General | 472 |
| 7.2 | Rates and Charges | 472 |
| 8. | (Reserved For Future Use) | 473 |

## TABLE OF CONTENTS (Cont'd)


| | | | Page |
|---|---|---|---|
| 9. | | SPECIALIZED FACILITIES ROUTING OF FIA | 474 |
| | 9.1 | Description of Special Facilities Routing of FIA | 474 |
| | 9.2 | Rates and Charges | 475 |
| 10. | | SPECIAL CONSTRUCTION | 477 |
| | 10.1 | General | 477 |
| | 10.2 | Liabilities, Charges and Payments | 480 |
| | 10.3 | Deferral of the In-Service of FIA | 500 |
| | 10.4 | Charges for Customers Choosing the Optional Liability Period to Provide Permanent FIA | 502 |
| | 10.5 | Charges for Customers Choosing the Standard Liability Period to Provide Permanent FIA | 503 |
| | 10.6 | Charges to Provide Temporary FIA | 504 |
| 11. | | SPECIAL FEDERAL GOVERNMENT FIA | 505 |
| | 11.1 | General | 505 |
| | 11.2 | Emergency Conditions | 506 |
| | 11.3 | Intervals to Provide FIA | 507 |
| | 11.4 | (Reserved for Future Use) | 507 |
| | 11.5 | Safeguarding of FIA | 507 |
| | 11.6 | Federal Government Regulations | 507 |
| | 11.7 | (Reserved for Future Use) | 507 |
| | 11.8 | FIA Offerings to the Federal Government | 508 |

## TABLE OF CONTENTS (Cont'd)

| | | Page |
|---|---|---|
| 12. | CARRIER COMMON LINE ACCESS | 517 |
| 12.1 | General Description | 517 |
| 12.2 | Limitations | 517 |
| 12.3 | Rate Regulations | 518 |
| 12.4 | Rates and Charges | 520 |
| 13. | (Reserved for Future Use) | 521 |
| 14. | EXCEPTIONS TO FIA OFFERINGS | 522 |
| 15. | (Reserved for Future Use) | 523 |

**CONCURRING CARRIERS**
No Concurring Carriers

**CONNECTING CARRIERS**
No Connecting Carriers

**OTHER PARTICIPATING CARRIERS**
No Other Participating Carriers

## EXPLANATION OF SYMBOLS

(C) - To signify changed regulation
(D) - To signify discontinued rate or regulation
( I ) - To signify increase
(N) - To signify new rate or regulation
(R) - To signify reduction
(S) - To signify reissued matter
(T) - To signify a change in text but no change in rate or regulation

## EXPLANATION OF ABBREVIATIONS

| | | |
|---|---|---|
| AAM | - | Assumed Access Minutes |
| ac | - | alternating current |
| ACAT | - | Additional Cooperative Acceptance Testing |
| ACD | - | Automatic Call Distributer |
| AIOD | - | Automatic Identification of Outward Dialed |
| AM | - | Access Minutes |
| ANI | - | Automatic Number Identification |
| ARD | - | Automatic Ringdown |
| ASR | - | Access Service Request |
| AST | - | Automatic Scheduled Testing |
| AT&TC | - | American Telephone and Telegraph Communications, Inc. |
| BHMC | - | Busy Hour Minutes of Capacity |
| BP | - | Billing Percentage |
| BSA | - | Basic Serving Arrangement |
| BSE | - | Basic Service Element |
| CCS | - | Centum-Call Seconds |
| CCSA | - | Common Control Switching Arrangement(s) |
| CDL | - | Customer Designated Location |
| CDM | - | Call Days in Month |
| CMF | - | Chargeable Minimum Factor |
| COMPS | - | Central Office Maintenance Planning System |
| Cont'd | - | Continued |
| CST | - | Cooperative Scheduled Testing |
| CSU | - | Circuit Switching Unit |
| DA | - | Digital Data Access |
| DAM | - | Distance in Airline Miles |
| dB | - | Decibel |
| dBm | - | Decibels below one milliwatt |

## EXPLANATION OF ABBREVIATIONS (Cont'd)

| | | |
|---|---|---|
| dBmO | - | Transmission Level Referred to the Zero Transmission Level Point |
| dBrnCO | - | Decibel Reference Noise C-Message Weighted O |
| dBv | - | Decibels Referred to One Volt |
| dc | - | direct current |
| DDS | - | Digital Data Service |
| DTMF | - | Dual Tone Multifrequency |
| DX | - | Duplex |
| ELEPL | - | Equal Level Echo Path Loss |
| E&M | - | The Receive and Transmit Leads of a Signaling System |
| EML | - | Expected Measured Loss |
| EPL | - | Echo Path Loss |
| ERL | - | Echo Return Loss |
| f | - | frequency |
| FCC | - | Federal Communications Commission |
| FIA | - | Facilities for Intrastate Access |
| FX | - | Foreign Exchange |
| GSEC | - | General Services and Equipment Code |
| HC | - | High Capacity |
| Hz | - | Hertz |
| IA | - | Interface Arrangement |
| IC | - | Interexchange Carrier |
| ICB | - | Individual Case Basis |
| IDDD | - | International Direct Distance Dialing |
| ILP | - | Initial Liability Period |
| kbps | - | kilobits per second |
| kHz | - | kilohertz |
| Ma | - | Milliamperes |
| Mbps | - | Megabits per second |
| MHz | - | Megahertz |
| MJU | - | Multi-Junction Unit |
| MRC | - | Monthly Recurring Charge |
| MST | - | Manual Scheduled Testing |
| MTL | - | Maximum Termination Liability |
| NA | - | Not Available |
| NANP | - | North American Numbering Plan |
| NPA | - | Numbering Plan Area |
| NRC | - | Nonrecurring Charge |

## EXPLANATION OF ABBREVIATIONS (Cont'd)

| | | |
|---|---|---|
| NST | - | Nonscheduled Testing |
| NXX | - | Three Digit Central Office Code |
| OPS | - | Off Premises Station |
| PBX | - | Private Branch Exchange |
| PCM | - | Pulse Code Modulation |
| POT | - | Point of Termination |
| RMC | - | Recurring Monthly Charge |
| rms | - | root-mean-square |
| SF | - | Single Frequency |
| SRL | - | Singing Return Loss |
| STR | - | Switched Transport Rate |
| TDCF | - | Total Day Conversion Factor |
| TLP | - | Transmission Level Point |
| TV | - | Television |
| UL | - | Under Utilization Liability |
| VG | - | Voice Grade |
| V&H | - | Vertical & Horizontal |
| WA | - | Wideband Analog |
| WATS | - | Wide Area Telecommunications Service |

## REFERENCE TO TECHNICAL PUBLICATIONS

Reference is made in this tariff, pursuant to Special Permission No. 83-864, to the following Technical Publications:

| | |
|---|---|
| Section 2.5 | *NECA Technical Reference Publication AS No. l - Issued March, 1984; entire issue<br>Addendum - Issued March, 1987 |
| Sections 4.2.15, Section 5.1.5, 5.2, 5.4.2(A), 5.4.2(B), and 6.6.(B)(1) | #GTE Technical Interface Reference Manual, Issue 2 - Issued August, 1984; 7000 |
| Section 5.4.1(E) | *AT&T Technical Reference Publication 41014 - Issued February, 1978; entire Issue |
| Section 3.2.6(D), 3.2.7, 4.2.16(B), 4.2.16(C), and 4.6.4 | #GTE Service Corporation Telephone Operations - Traffic Grade of Service Standards, Issued April, 1985; entire issue |
| Sections 4.2.5, (A)(A), (A)(B) (A)(C), and (A)(D) | /Bellcore Technical Reference Publication TR-TSV-000905, Issue 1, August, 1989 |

Reference is made in this tariff, pursuant to Special Permission No. 87-730 contained in FCC Memorandum Opinion & Order released December 22, 1987, to the following Exchange Carrier Standards Association Ordering and Billing Forum documents:

| | |
|---|---|
| Section 2.7(A)(2) | ** Multiple Exchange Carrier Access Billing (MECAB) Guidelines - Issued November 9, 1987. |
| Section 3.3(A)(2) | ** Multiple Exchange Carrier Ordering and design (MECOD) Guidelines - Issued October 1985. |

## REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

Reference is made in this tariff to the following National Communications System documents pursuant to the National Security Emergency Preparedness (NSEP) Telecommunications Service Priority (TSP) System:

Section 6.4(E)(8) ## NCS Manual 3-1-1 "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual", dated July 9, 1990.

Section 6.4(F)(4) ## NCS Handbook 3-1-2 "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook", dated July 9, 1990.

* Available from Literary Data Center, Inc., G.P.O. Box C-9014, Brooklyn, New York 11202

\# Available from GTE Practices Group, GTE Service Corporation, Education and Support Department, P.O. Box 8300, 3050 Harrodsburg Rd., Lexington, Kentucky 40533

** Available from Administrative Secretary, Ordering and Billing Forum, Bell Communications Research, Inc., 290 W. Mt. Pleasant Avenue, LCC 4D-243, Livingston, NJ 07309.

\#\# Available from Government Printing Office, Superintendent of Documentation, Document Control Branch, 941 North Capitol Street, N.E., Washington, DC 20401.

/ Available from Bellcore, Customer Service, 60 New England Avenue, Room 1B252, Piscataway, New Jersey 08854-4196

## 1. APPLICATION OF TARIFF

1.1 This tariff contains regulations, rates and charges applicable to Switched Access and End User Access or, in combination, as Facilities for Intrastate Access, hereinafter referred to as FIA, provided by Citizens Telecommunications Company of Minnesota, hereinafter referred to as the Telephone Company, to customers. This tariff further provides for Ancillary and Miscellaneous Services. This tariff does not apply to other services offered by the Telephone Company.

1.2 Regulations, rates and charges as specified in this tariff apply to FIA and shall not serve as a substitute for IC tariff offerings of services to end users. The provision of such FIA by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with an IC for the furnishing of any service.

## 2. GENERAL REGULATIONS

### 2.1 Undertaking of the Telephone Company

#### 2.1.1 Scope

(A) (Reserved for Future Use)

(B) The Telephone Company does not undertake to transmit calls or offer a telecommunications service under this tariff.

(C) The Telephone Company shall be responsible only for the installation, operation, and maintenance of the services which it provides.

(D) The Telephone Company will, for maintenance purposes, test its FIA only to the extent necessary to detect and/or clear troubles. Testing beyond normal parameters will be done as described in Section 6. following.

(E) FIA are provided twenty-four hours daily, seven days per week.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.2 Limitations

(A) The customer may not assign or transfer the use of FIA provided under this tariff except that, where there is no interruption of use or relocation of the FIA, such assignment or transfer may be made to:

(1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such FIA, and the unexpired portion of the minimum period and the termination liability applicable to such FIA, if any; or

(2) a court appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such FIA, if any.

In all cases of assignment or transfer, the written acknowledgment of the Telephone Company is required prior to such assignment or transfer which acknowledgment shall be made within 15 days from the receipt of notification. All regulations and conditions contained in this tariff shall apply to such assignee or transferee.

The assignment or transfer of FIA does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligations existing at the time of the assignment or transfer.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.2 Limitations (Cont'd)

(B) The emergency provisioning and restoration of FIA shall be in accordance with Part 64, Subpart D, Paragraph 64.401, of the FCC's Rules and Regulations, which specifies the priority system for such activities. Section 6.4 describes the service arrangement.

(C) (Reserved for Future Use)

(D) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.3 Liability

(A) The Telephone Company's liability, if any, for willful misconduct is not limited by this tariff. With respect to any other claim or suit by a customer for damages associated with the installation, provision, termination, maintenance, repair or restoration of FIA, and subject to the provisions of (B) through (D) following, the Telephone Company's liability, if any, shall not exceed an amount equal to the proportionate charge for the FIA for the period during which the provision of FIA was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this tariff as a credit allowance for a provision of FIA interruption.

(B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company, for its own act or omission, hold liable any other carrier or customer providing a portion of a service.

(C) (Reserved for Future Use)

## 2. GENERAL REGULATIONS (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.3 Liability (Cont'd)

(D) The Telephone Company shall be indemnified, defended and held harmless by the IC or end user against any claim, loss or damage arising from the use of FIA offered under this tariff. The foregoing indemnity shall issue on the IC or the end user separately, each being responsible for its own acts and omissions, involving:

(1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from any communications;

(2) Claims for patent infringement arising from combining or using the FIA furnished by the Telephone Company in connection with facilities or equipment furnished by the IC or end user; or

(3) All other claims arising out of any act or omission of the IC or end user in the course of using FIA provided pursuant to this tariff.

(E) The Telephone Company does not guarantee or make any warranty with respect to its FIA when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the IC or end user from any and all claims by any person relating to the FIA so provided. The foregoing indemnity shall issue on the IC or the end user separately, each being responsible for its own acts and omissions.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.3 Liability (Cont'd)

(F) Except in the case of willful misconduct, under no circumstances whatever, shall the Telephone Company be liable for indirect, incidental, special or consequential damages; and this disclaimer shall be effective notwithstanding any other provisions hereof.

(G) No license under patents is granted by the Telephone Company to the customer or shall be implied or arise by estoppel in the customer's favor with respect to any circuit, apparatus, system or method used by the customer in connection with FIA provided under this tariff. With respect to claims of patent infringement made by third persons, the Telephone Company will defend, indemnify, protect and save harmless the customer from and against all claims arising out of the use by the customer of FIA provided under this tariff.

(H) The Telephone Company's failure to provide or maintain FIA under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the interruption allowance provisions of following.

(I) The Telephone Company shall reimburse the ages to premises or equipment of the customer resulting from the provision of FIA by the Telephone Company on such premises, or by the installation or removal thereof, caused by the negligence or willful act of the Telephone Company.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.4 Provision of FIA

(A) The Telephone Company, to the extent that such FIA are or can be made available with reasonable effort, and after provisions have been made for the Telephone Company's local service, will provide to the customer, upon reasonable notice, FIA offered in other applicable sections of this tariff at rates and charges specified therein.

(B) FIA provided to a customer under this tariff may be connected directly to customer facilities and/or may be connected to access facilities of another telephone company or companies in the joint provision of intrastate access.

#### 2.1.5 Installation and Termination of FIA

The FIA provided under this tariff (A) will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a suitable location inside a customer-designated location, and (B) will be installed by the Telephone Company to such point of termination.

#### 2.1.6 Maintenance of FIA

The FIA provided under this tariff shall be maintained by the Telephone Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any FIA provided by the Telephone Company, other than by connection or disconnection to any interface means used, except with the written consent of the Telephone Company.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to Part 68 of the FCC Rules and Regulations in 47 C.F.R. Paragraph 68.ll0 (b), the Telephone Company may, where such action is reasonably required in the operation of its business, substitute, change, or rearrange any telephone plant used in providing FIA under this tariff, change minimum network protection criteria, change operating or maintenance characteristics of facilities, or change operations or procedures of the Telephone Company. In case of any such substitution, change or rearrangement, the facility parameters will be within generally accepted standards. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics or technical parameters of the FIA, as originally ordered by the customer, the Telephone Company will notify the customer in writing prior to making such substitution, change or rearrangement. Notification will be given as follows:

- Should a major change occur, the Telephone Company shall notify the customer at least one year in advance. A major change is described as any change in telephone plant which will affect the technical parameters of the interface (e.g., level, impedance, signaling, interface, bandwidth, two-wire, four-wire, etc.)

- Should a minor change occur, the Telephone Company shall notify the customer as least thirty days in advance. A minor change is described as any change in telephone plant which will not affect the technical parameters of the interface (e.g., level, impedance, signaling, interface, bandwidth, two-wire, four-wire, etc.)

## 2. GENERAL REGULATIONS (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.7 Changes and Substitutions (Cont'd)

The Telephone Company will work cooperatively with the customer relative to the redesign and implementation required by the change in operating characteristics.

#### 2.1.8 Discontinuance and Refusal of FIA

(A) Unless the provisions of 2.2.2(B) following apply, if the customer fails to comply with the provisions of 2.l.6 preceding, 2.3.l following, and 2.4.l(D) following, including any payments to be made by it on the dates or at the times herein specified, and fails within thirty (30) days after written notice, by certified mail, from the Telephone Company to a person designated by the customer, to correct such noncompliance, the Telephone Company may discontinue the provision of the FIA to the noncomplying customer. In case of such discontinuance, all applicable charges shall become due.

(B) If the customer repeatedly fails to comply with the provisions of this tariff in connection with the provision of a FIA or group of FIA, and fails to correct such course of action after notice as set forth in (A) preceding, the Telephone Company may refuse applications for additional FIA to the noncomplying customer until the course of action is corrected.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.1 Undertaking of the Telephone Company (Cont'd)

#### 2.1.9 Preemption of FIA

In certain instances, (i.e., when spare facilities and/or equipment are not available), it may be necessary to preempt existing services to provision or restore National Security Emergency Preparedness (NSEP) Services. If, in its best judgement, the Telephone Company deems it necessary to preempt, then the Telephone Company will ensure that:

(A) A sufficient number of public switched services are available for public use if preemption of such services is necessary to provision or restore NSEP service.

(B) The service(s) preempted have a lower or do not contain NSEP assigned priority levels.

(C) A reasonable effort is made to notify the preempted service customer of the action to be taken.

(D) A credit allowance for any preempted service shall be made in accordance with the provisions set forth in Section 2.4.4(A).

#### 2.1.10 Limitation of Use of Metallic Facilities

Except for loop and duplex (DX) type signaling, metallic facilities shall not be used for ground return or split pair operation. Signals applied to the metallic facility shall conform to minimum protection criteria for direct electrical connections as set forth in Part 68 of the FCC Rules and Regulations. In the case of applications of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limitation devices to protect the Telephone Company FIA from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excess noise.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.2 Use

#### 2.2.1 (Reserved for Future Use)

#### 2.2.2 Interference or Impairment

(A) The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company and associated with the FIA provided under this tariff shall not interfere with or impair service over any facilities of the Telephone Company, its connecting and concurring carriers, or other telephone companies involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to their employees or to the public.

(B) Except as provided for equipment or systems subject to Part 68 of the FCC Rules and Regulations in 47 C.F.R. Paragraph 68.l08, if such characteristics or methods of operation are not in accordance with (A) preceding, the Telephone Company will, where practicable, notify the customer, as appropriate, that temporary discontinuance of the use of FIA may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of FIA if such action is reasonable in the circumstances. In case of such temporary discontinuance the customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, allowance for interruption of FIA as set forth in 2.4.4 following is not applicable.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.2 Use (Cont'd)

#### 2.2.3 Unlawful Use of FIA

The FIA are furnished subject to the condition that they will not be used for an unlawful purpose. FIA will be discontinued if any law enforcement agency, acting within its apparent jurisdiction, advises in writing that such FIA are being used in violation of law. The Telephone Company will refuse to furnish FIA when it has reasonable grounds to believe that such FIA will be used in violation of law.

### 2.3 Obligation of the Customer

#### 2.3.1 Damages

The customer shall reimburse the Telephone Company for damages to the Telephone Company facilities utilized to provide FIA under this Tariff caused by the negligence or willful act of the customer, or resulting from the customer's improper use of the Telephone Company facilities, or due to malfunction of any facilities or equipment provided by other than the Telephone Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone Company will, upon reimbursement for damages, cooperate with the customer in prosecuting a claim against the person causing such damage and the customer shall be subrogated to the right of recovery by the Telephone Company for the damages to the extent of such payment. The amount of reimbursement shall be the actual cost of repair to the damaged facilities including labor costs as specified in 6.2(G) following.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.3 Obligation of the Customer (Cont'd)

#### 2.3.2 Theft

The customer shall reimburse the Telephone Company for any loss through theft of facilities, apparatus, or equipment utilized to provide FIA under this tariff at the customer designated location or at the end user's premises. The amount of reimbursement shall be the actual cost for replacement of facilities, apparatus, or equipment lost, plus labor costs as specified in 6.2(G) following.

#### 2.3.3 Equipment Space and Power

The customer shall furnish or arrange to have furnished to the Telephone Company at no charge, equipment space and electrical power required by the Telephone Company to provide FIA under this tariff at the points of termination of such FIA. The equipment space provided shall meet industry standard environmental conditions. The selection of ac or dc power shall be mutually agreed to by the customer and the Telephone Company. The customer shall also make necessary arrangements in order that the Telephone Company will have access to such spaces at reasonable times for installing, repairing or removing facilities of the Telephone Company.

#### 2.3.4 (Reserved for Future Use)

#### 2.3.5 (Reserved for Future Use)

#### 2.3.6 Availability for Testing

The FIA provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the FIA in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.3 Obligation of the Customer (Cont'd)

#### 2.3.7 Balance

All signals for transmission over the FIA provided under this tariff shall be delivered by the customer balanced to ground except for ground start and duplex (DX), McCulloh-loop (alarm system) type signaling, and dc telegraph transmission at speeds of 75 baud or less.

#### 2.3.8 Design of Customer Services

Subject to the provisions of 2.1.7 preceding, the customer shall be solely responsible at its expense for the overall design of its services. The IC and end user shall be responsible separately, each at its own expense, for any redesigning or rearrangement of its services which may be required because of changes in FIA, operations or procedures of the Telephone Company, minimum network protection criteria or operating or maintenance characteristics of the FIA.

#### 2.3.9 References to Telephone Company

The IC may advise its end users that certain FIA are provided by the Telephone Company in connection with the service the IC furnishes to its end user; however, the IC shall not represent that the Telephone Company jointly participates in the IC's services.

#### 2.3.10 (Reserved for Future Use)

## 2. GENERAL REGULATIONS (Cont'd)

### 2.3 Obligation of the Customer (Cont'd)

#### 2.3.11 Claims and Demands for Damages

(A) With respect to claims of patent infringement made by third persons, the customer shall defend, indemnify, protect and save harmless the Telephone Company from and against all claims arising out of the combining with, or use in connection with, the FIA provided under this tariff, any circuit, apparatus, system or method provided by the customer, the IC or its end users.

(B) The customer shall defend, indemnify and save harmless the Telephone Company from and against suits, claims, and demands by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Telephone Company's FIA provided under this tariff including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and proceedings to recover taxes, fines, or penalties for failure of the customer to obtain or maintain in effect any necessary certificates, permits, licenses or other authority to acquire or operate the FIA provided under this tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damages for damage to property, death, or personal injury unless such suits, claims or demands are based on the tortuous conduct of the customer, its officers, agents or employees.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.3 Obligation of the Customer (Cont'd)

#### 2.3.12 Coordination With Respect to Network Contingencies

The customer shall, in cooperation with the Telephone Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

#### 2.3.13 Identification and Rating of VoIP-PSTN Traffic* (N)

(A) Scope

(1) VoIP-PSTN Traffic is defined as traffic exchanged between the Telephone Company end user and the customer in time division multiplexing ("TDM") format that originates and/or terminates in Internet protocol ("IP") format. This section governs the identification of VoIP-PSTN Traffic that is required to be compensated at interstate access rates by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (Nov. 18, 2011) ("FCC Order"). Specifically, this section establishes the method of separating such traffic (referred to in this tariff as "Relevant VoIP-PSTN Traffic") from the customer's traditional intrastate access traffic, so that such Relevant VoIP-PSTN Traffic can be billed in accordance with the FCC Order.

(2) This section will be applied to the billing of switched access charges to a customer that is a local exchange carrier only to the extent that the customer has also implemented billing of interstate access charges for Relevant VoIP-PSTN Traffic in accordance with the FCC Order.

*On April 25, 2012 the FCC released its Second Order on Reconsideration of the USF/ICC Transformation Order. Based on this Order, the tariff language in this section will also apply to originating access for VoIP-PSTN for the period of December 29, 2011 through the effective date of the FCC's April 25th Order, which will occur 45 days after publication of the Order in the Federal Register. (N) | (N)

## 2. GENERAL REGULATIONS (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(B) Rating of VoIP-PSTN Traffic

The Relevant VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's applicable tariffed interstate switched access rates specified on the company website http://tariffs.citizenscommunications.com/crtf/tariffs then FCC tariffs, then click on Frontier Telephone Companies FCC No. 1 Interstate Access (Rate Group 4). The rates will be found in Section 20.4 (Rates and Charges Group 4). This URL will be tested twice annually to ensure it functions properly. (N) (N)

(C) Calculation and Application of Percent-VoIP-Usage Factor

The Telephone Company will determine the number of Relevant VoIP-PSTN Traffic minutes of use ("MOU") to which interstate rates will be applied under subsection (B), above, by applying a Percent VoIP Usage ("PVU") factor to the total terminating intrastate access MOU received by The Telephone Company from and the customer. The PVU will be derived and applied as follows:

(1) The customer will calculate and furnish to the Telephone Company a factor (the "PVU") representing the percentage of the total intrastate and interstate access MOU that the customer terminates to the Telephone Company in the State, that is sent to the Telephone Company and that originated in IP format. This PVU shall be based on information such as traffic studies, actual call detail, or other relevant and verifiable information.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(C) Calculation and Application of Percent-VoIP-Usage Factor (Cont'd)

(1) The Telephone Company will apply the PVU factor to the total terminating intrastate access MOU received from the customer to determine the number of Relevant VoIP-PSTN Traffic MOUs.

(2) If the customer does not furnish the Telephone Company with a PVU pursuant to the preceding paragraph 1,the Telephone Company will utilize a PVU equal to zero.

(D) Initial PVU Factor

If the PVU factor is not available and/or cannot be implemented in the Telephone Company's billing systems by January 1, 2012, once the factor is available and can be implemented the Telephone Company will adjust the customer's bills to reflect the PVU retroactively to January 1, 2012. This retroactive adjustment will be made to January 1, 2012, provided that the customer provides the factor to the Telephone Company no later than April 15, 2012; otherwise, it will set the initial PVU equal to zero, as specified in subsection (C)(1), above.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.3 Obligations of the Customer (Cont'd)

#### 2.3.11 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(E) PVU Factor Updates

The customer may update the PVU factor quarterly using the method set forth in subsection (C)(1), above. If the customer chooses to submit such updates, it shall forward to the Telephone Company, no later than 15 days after the first day of January, April, July and/or October of each year, a revised PVU factor based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factor will apply prospectively and serve as the basis for billing until superseded by a new PVU.

(F) PVU Factor Verification

Not more than four times in any year, the Telephone Company may ask the customer to verify the PVU factor furnished to the Telephone Company. The party so requested shall comply, and shall reasonably provide the records and other information used to determine the PVU factors.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances

#### 2.4.1 Payment of Charges and Deposits

(A) The Telephone Company may, in order to safeguard its interests, require a customer which has a proven history of late payments to the Telephone Company or does not have established credit, to make a deposit prior to or at any time after the provision of the FIA to the customer to be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required of a customer which is a successor of a company which has established credit and has no history of late payments to the Telephone Company. A deposit may not exceed the actual or estimated rates and charges for the FIA for a two month period. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to the prompt payment of bills. At such time as the provision of the FIA to the customer is terminated, the amount of the deposit will be credited to the customer's account and any credit balance which may remain will be refunded. After the customer has established a one year prompt payment record, such a deposit will be refunded or credited to the customer account at any time prior to the termination of the provision of the FIA to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive simple annual interest at the rate determined by the Minnesota Public Utilities Commission as set forth in Section III, General Rules and Regulations, of the Telephone Company Local Exchange Tariff.

(B) Where the provision of FIA requires facilities that meet any of the conditions specified in l0.l.l following, Special Construction charges as set forth in Section l0 following will apply.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Charges and Deposits (Cont'd)

(C) The Telephone Company shall bill FIA services on a current basis for (a) all charges incurred, (b) applicable taxes, and (c) credits due the customer.

(1) Switched Access, Ancillary and Miscellaneous services shall be billed in arrears.

(2) Special Access shall be billed in advance except for the charges and credits associated with the initial or final bills. The initial bill will also include charges for the actual period of service up to, but not including, the bill date. The unused portion of the FIA already billed will be credited on the final bill.

Such bills are due when rendered. Adjustments for the quantities of FIA established or discontinued in any billing period beyond the minimum period set forth in 2.4.2 following will be prorated to the number of days based on a 30 day month. The Telephone Company will, upon request and if available, furnish such detailed information as may reasonably be required for verification of any bill.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Charges and Deposits (Cont'd)

(D) All bills to the customer are due when rendered and are considered past due thirty (30) days after the bill date. In the event the customer does not remit payment in immediately available funds after the 30 day period, the FIA may be discontinued as specified in 2.1.8 preceding.

(1) If the entire amount billed, excluding any amount disputed by the customer, is not received by the Telephone Company in immediately available funds within thirty (30) days after the bill date, an additional charge equal to 1/12th of the percentage rate for deposit interest as that set forth in 2.4.1(A) of the unpaid balance will be applied for each month or portion thereof that an outstanding balance remains.

If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Year's Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the second Tuesday in November and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed), payment for such bills will be due from the customer as follows:

If such payment date falls on a Sunday or on a Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Holiday. If such payment date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday or Friday, the payment date shall be the last non-Holiday day preceding such Saturday or Holiday.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.1 Payment of Charges and Deposits (Cont'd)

(D) (Cont'd)

(2) In the event that a billing dispute is resolved in favor of the Telephone Company, any payments withheld pending settlement of the dispute shall be subject to an additional charge equal to 1/12th of the percentage rate for deposit interest as that set forth in 2.4.1(A), of the amount of such disputed charges for each month or portion thereof that such charges were unpaid. If the customer who has paid the total billed amount on or before the due date (i.e., bill date plus 30 days) disputes the billed amount within six months of the bill date and the dispute is resolved in favor of the customer, a credit will be granted to the customer for both the disputed amount paid and an amount equal to the percentage rate specified in 2.4.1(D)(1), preceding based on this disputed amount for each month or portion thereof.

(3) (Reserved for Future Use)

## 2. GENERAL REGULATIONS (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.2 Minimum Periods

(A) The minimum periods for which FIA are provided and for which rates and charges are applicable are set forth in 3.2.4 following.

(B) The minimum periods for which FIA are provided and for which rates and charges are applicable for Specialized FIA or Arrangements provided on an Individual Case Basis, as set forth in Section 7. following are established with the individual case filing.

(C) For discontinuances of FIA with a one month minimum period, all applicable charges for the one month period will apply. In instances where the minimum period is greater than one month, however, the charge will be the lesser of the Telephone Company's non-recoverable costs less the net salvage value for the discontinued service of the minimum period charges.

#### 2.4.3 Cancellation of an ASR

Provisions for the cancellation of an ASR are set forth in 3.2.6 following for an ASR.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.4 Credit Allowance for FIA Interruptions

(A) General

A FIA is interrupted when it becomes unusable to the customer because of a failure of a component used to furnish FIA under this tariff, or when the service is preempted as a result of invoking NSEP Treatment or when the application of protective controls interrupt all transmission paths as set forth in 4.2.9 following. A credit allowance will be made for the period in excess of 30 minutes the FIA is interrupted. An interruption period starts when Telephone Company personnel become aware that the FIA is inoperative.

The credit allowance(s) for an interruption or for a series of interruptions will be computed based upon the billing method which applies to the service being credited. In no case will the credit allowance for service interruptions exceed the applicable charges for the billing period during which the interruption occurred.

A credit allowance for any FIA service will apply for the period specified as follows:

(1) For monthly rated services, a credit allowance will be made for an interruption period of 30 minutes or more. The allowance will be calculated at the rate of l/l440 of the monthly charge for the portion of the FIA affected, for each 30 minutes or major fraction thereof that the interruption continues. A major fraction is considered to be sixteen minutes or more beyond the 30 minute period.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.4 Credit Allowance for FIA Interruptions (Cont'd)

(A) General (Cont'd)

(2) For Program Audio services, a credit allowance will be made for an interruption of 30 seconds or more. Two or more such interruptions occurring during a period of 5 consecutive minutes shall be considered as one interruption. The allowance will be calculated as follows:

(a) For Program Audio Service provided at monthly rates, the credit will be at the rate of 1/8640 of the monthly service rate.

(b) For Program Audio Service provided at daily rates, the credit will be at the rate of 1/288 of the daily rate.

(3) For Switched Access service, billed using assumed minutes of use, a credit allowance will be made for an interruption of 24 hours or more. The credit allowance will be calculated at 1/30 of the assumed minutes of use charge for each 24 hours or major fraction thereof that the interruption continues. A major fraction is considered to be 13 hours. No credit will be given where Switched Access billing is based on actual usage.

(4) (Reserved for Future Use)

## 2. GENERAL REGULATIONS (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.4 Credit Allowance for FIA Interruptions (Cont'd)

(B) When Credit Allowance Does Not Apply

No credit allowance will be made for:

(1) Interruptions caused by the negligence of the customer.

(2) Interruptions of a FIA due to the failure of equipment or systems provided by the customer or others.

(3) Interruptions of a FIA during any period in which the Telephone Company is not afforded access to the premises where the FIA is terminated.

(4) Interruptions of a FIA during an agreed upon period when the customer has released a FIA to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an ASR for a change in the FIA. Should the maintenance, rearrangement, or ASR implementation interruption period extend beyond the agreed upon period, credit allowance will apply.

(5) Interruptions of a FIA which continue because of the failure of the customer to authorize replacement of any element of Special Construction, as set forth in Section 10 following. The period for which no credit allowance is made begins on the seventh day after the Telephone Company's written notification to the customer of the need for such replacement and ends on the day after receipt of the customer's written authorization for such replacement.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### 2.4.4 Credit Allowance for FIA Interruptions (Cont'd)

(B) When Credit Allowance Does Not Apply (Cont'd)

(6) Periods when the customer elects not to release the FIA for testing and/or repair and continues to use it on an impaired basis.

(7) (Reserved for Future Use)

(8) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.

(C) Use of An Alternative Service Provided by the Telephone Company

Should the customer elect to use an alternative service provided by the Telephone Company during the period that a FIA is interrupted, the customer must pay the tariffed rates and charges for the alternative service used.

(D) Temporary Surrender of a FIA

In certain instances, the customer may be requested to surrender a FIA for purposes other than maintenance, testing or activity relating to an ASR. If the customer consents, or in the instance of preemption under NSEP Treatment as set forth in Section 2.1.9 preceding, a credit allowance will be granted. The credit allowance will be determined in accordance with 2.4.4(A) preceding.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.5 Connections

Equipment and systems (i.e., terminal equipment, multiline terminating systems, and communications systems) may be connected with Switched and Special Access furnished by the Telephone Company where such connection is made in accordance with the provisions specified in the NECA Technical Reference Publication AS No. 1 and in 2.1 preceding.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions

Certain terms used herein are defined as follows:

Access Area

The term "Access Area" denotes a specific calling area containing those customers served by one or more central offices associated with the various Switched Access provisions offered under this tariff. The size and configuration of the Access Area a customer obtains is dependent upon the Feature Group type and the specific characteristics of the Central Office or Access Tandem office to which the connection is made.

Access Code

The term "Access Code" applies to Switched Access Service. It denotes a uniform seven digit code dialed by an end user to access an Interexchange Carrier's facilities. The seven digit code has the form of 101XXXX or 950-XXXX.

Access Minutes

The term "Access Minutes" denotes that usage of exchange facilities in intrastate or foreign service for the purpose of calculating chargeable usage. On the originating end of an intrastate or foreign call, usage is measured from the time the originating End User's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an intrastate or foreign call, usage is measured from the time the call is received by the End User in the terminating exchange. Timing of usage at both originating and terminating ends of an intrastate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating end exchanges, as applicable. For the calculation of total minutes, seconds are totaled and converted to minutes before rounding occurs. Remainder seconds greater than 29 are rounded to a minute.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Access Service Request

The term "Access Service Request" (ASR) denotes a document (i.e., order) used by the Telephone Company to process a customer's request for Access Services as offered throughout this tariff.

Access Tandem

The term "Access Tandem" denotes a Telephone Company switching system that provides a traffic concentration and distribution function for inter-Local Access and Transport Area traffic originating from or terminating at end offices in the access area.

Answer/Disconnect Supervision

The term "Answer/Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the CDL for terminating calls to a Telephone Company end office as an indication that the called party has answered or disconnected.

Answer Message

The term "Answer Message" denotes an SS7 message sent in the backward direction to indicate that the call has been answered.

Attempt

The term "Attempt" denotes a call in the originating direction from an end user to a CDL which is completed (answered) or not completed (not answered) and a call in the terminating direction from a CDL to a customer which is completed (answered) or not completed (not answered).

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Attenuation Distortion

The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz.

Balance (100-Type) Test Line

The term "Balance (100-Type) Test Line" denotes a standard feature of FGA, FGB, FGC, FGD, 800, 888, 877 Access Service, BSA-A, BSA-B, BSA-C and BSA-D and refers to the end office termination provided for balance and noise testing. The termination provides off-hook supervision to the calling end, and terminates the line or trunk in a resistive and capacitive arrangement which simulates the characteristic impedance of the end office.

Basic Service Element

The term "Basic Service Element (BSE)" denotes an unbundled service option available only with Basic Serving Arrangements.

Basic Serving Arrangement

The term "Basic Serving Arrangement (BSA)" denotes a category of Switched Access Service differentiated by technical characteristics, e.g., line side versus trunk side connection at the Telephone Company's first point of switching.

BHMC

See Busy Hour Minutes of Capacity.

Bit

The term "Bit" denotes the smallest unit of information in the binary system of notation.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Bridging

The term "Bridging" denotes the connection of one or more circuits in parallel with another circuit without interrupting the continuity of the first circuit.

Bridging Wire Center

The term "Bridging Wire Center" denotes the Telephone Company designated wire center in which bridging is accomplished.

Business Day

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 a.m. to 5:00 or 6:00 p.m., respectively with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week.

Busy Hour Minutes of Capacity

The term "Busy Hour Minutes of Capacity" (BHMC) denotes the trunk group usage load consisting of the average usage load for the busy season.

Busy Season

The term "Busy Season" denotes the four consecutive weeks of the calendar year having the highest daily busiest hour traffic load based on a five day week. Normally the five-day week consists of Monday through Friday. Where weekend traffic is greater than weekday traffic, one or both weekend days may be used as a substitute for a weekday as long as a consistent five-day week is maintained for the four consecutive weeks.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

C-Conditioning

The term "C-Conditioning" denotes a Telephone Company special treatment of the transmission path in order to control attenuation and envelope delay distortion.

C-Message Noise

The term "C-Message Noise" denotes the frequency weighted average noise within an idle voice circuit. The frequency weighting, called C-message, is used to simulate the frequency characteristic of the 500-type telephone set and the hearing of the average subscriber.

C-Notched Noise

The term "C-Notched Noise" denotes the frequency weighted noise on a voice circuit with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

CCS

The term "CCS" denotes a hundred-call seconds which is a standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of lines or trunks.

Call

The term "Call" denotes a communication including an off-hook signal and routing information initiated at the originating location and completed to a terminating location.

Central Office

The term "Central Office" denotes a telephone company local switching system where telephone company local service subscriber station loops are terminated for purposes of interconnection to each other and to trunks.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Central Office Loop Around Test Line

The term "Central Office Loop Around Test Line" denotes equipment in the Telephone Company's end office which provides a means for making two-way transmission tests for Switched Access services. These transmission tests are normally for the measurement of level and noise tests. This arrangement has two terminations, each reached by means of a separate seven digit number.

Central Office Prefix

The term "Central Office Prefix" denotes the first three digits (NXX) of the telephone number assigned to a Telephone Company subscriber's local service.

Centralized Automatic Reporting on Trunks (CAROT) Testing

The term "Centralized Automatic Reporting on Trunks (CAROT) Testing" denotes a type of testing which includes the capacity for measuring the 1000 Hz loss, C-message weighted noise, C-notched noise, loss slope, and the provision of a balance termination.

Channelize

The term "Channelize" denotes the process of multiplexing-demultiplexing circuits using analog or digital techniques.

Circuit

The term "Circuit" denotes an electrical or photonic, in the case of fiber optic based transmission systems, communications path between two or more points of termination.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Common Line

The term "Common Line" denotes a line, trunk, coin line or other facility provided under the Telephone Company Local Exchange Tariff, terminated on a Central Office switch. A Common Line - Residence is a line or trunk provided under the residence regulations of the Telephone Company Local Exchange Tariff. A Common Line - Business is a line provided under the business regulations of the Telephone Company Local Exchange Tariff. A coin line is a line provided under the public and/or semipublic service regulations of the Telephone Company Local Exchange Tariff.

Communications System

The term "Communications System" denotes circuits and other facilities which are capable of communications between terminal equipment provided by other than the Telephone Company or Telephone Company stations.

Confirmed ASR

The term "Confirmed ASR" denotes a customer's ASR for a) Switched Access FIA which the Telephone Company has processed with the Engineering Department to confirm for the customer and the Telephone Company the availability of facilities and/or equipment and b) Special Access FIA for which the Telephone Company confirms to the customer that the established due date can be met. The date the ASR is confirmed, the standard service date interval commences.

Confirming Design Layout Report Date

The term "Confirming Design Layout Report (CDLR) Date" identifies the date that the Telephone Company is scheduled to receive confirmation that the Design Layout Report provided by the Telephone Company for a confirmed ASR is acceptable.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Conventional Signaling

The term "Conventional Signaling" denotes the inter-machine signaling system which has been traditionally used in North America for the purpose of transmitting the called number's address digits from the originating end office to the switching machine which will terminate the call. In this system, all of the dialed digits are received by the originating switching machine, a path is selected, and the sequence of supervisory signals and outpulsed digits is initiated. No overlap outpulsing, ten-digit ANI, ANI information digits, or acknowledgement wink are included in this signaling sequence.

Customer

The term "Customer" denotes any individual, partnership, association, joint stock company, trust, corporation, or governmental entity or any other entity which subscribes to the services offered under this tariff, including Interexchange Carriers (ICs), end users and Information Service Providers.

Customer Designated Location

The term "Customer Designated Location" (CDL) denotes a location specified by the customer for the purpose of terminating FIA services. The Telephone Company must have access to the location to perform installation, testing, and maintenance functions. The customer may or may not have access to the location. CDLs include locations such as customer premises, end user premises, customer repeater stations, customer microwave towers, a Telephone Company's first point of switching, some other point where Telephone Company testing can occur, etc. A CDL may be designated by the customer for Switched Access, Special Access, or both in combination. When a customer orders Special Access to connect to a Telephone Company Switch, that switch is a CDL where the Special Access Service Terminates**.** Customer transmission facilities and equipment terminated in Telephone Company central offices under EIS arrangements are not considered a CDL. However, Telephone Company Special Access Services may be interconnected to such customer equipment using a Cross Connect arrangement. (N) (N)

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

D-Conditioning

The term "D-Conditioning" denotes a Telephone Company special treatment of the transmission path in order to control C-notched noise and intermodulation distortion.

Daily Busiest Hour

The term "Daily Busiest Hour" denotes the highest usage hour for each day with the reading taken on the clock hour or half hour. The clock hour or half hour selection varies from day to day, depending upon the usage measured. The Daily Busiest Hour is also known as the Bouncing Busy Hour.

Data Transmission (107-Type) Test Line

The term "Data Transmission (107-Type) Test Line" denotes an arrangement which provides for the connection to a signal source which provides test signals for one-way testing of data and voice transmission parameters.

Dual Tone Multifrequency Address Signaling

The term "Dual Tone Multifrequency (DTMF) Address Signaling" denotes a type of signaling that is an optional feature of FGA and BSA-A. It may be utilized when FGA or BSA-A is being used in the terminating direction. An office arranged for signaling would expect to receive address signals from the IC in the form of DTMF format.

Echo Path Loss

The term "Echo Path Loss" denotes the measure of reflected signal at a four-wire interface without regard to the send and receive Transmission Level Point (TLP).

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Echo Return Loss

The term "Echo Return Loss" denotes a frequency weighted measure of return loss over the middle of the voiceband (approximately 500 to 2500 Hz) where talker echo is most annoying.

End Office Switch

The term "End Office Switch" denotes a Telephone Company local switching system located in a wire center where Telephone Company local service subscriber station loops are terminated for purposes of originating and terminating traffic to or from a customer.

End User

The term "End User" means any customer of an intrastate or foreign telecommunications service that is not a carrier, except that a carrier, other than the Telephone Company, shall be deemed to be an "end user" to the extent that such carrier uses a telecommunications service for administrative purposes, and a person or entity that offers telecommunications services exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premises of such reseller (e.g., hotels, motels and shared tenant services).

Engineering Review

The term "Engineering Review" denotes the examination of an ASR with a customer requested change to determine if a design change is required. It includes, but is not limited to, the review for possible change requirements in equipment, interfaces, circuit configurations, engineering records and billing.

Entry Switch

See First Point of Switching.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Excess Capacity

The term "Excess Capacity" denotes a quantity of FIA requested by the customer which is greater than that which the Telephone Company would construct to fulfill the customer's ASR.

Exchange

The term "Exchange" denotes a unit generally smaller than a Local Access and Transport Area (LATA), established by the Telephone Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area. One or more designated exchanges comprise a given LATA.

Exchange Access Signaling

The term "Exchange Access Signaling" denotes the signaling system used by equal access end offices to transmit originating information and address digits to the customer's premises and includes the means of verifying the receipt of these address digits. Features of this system include overlap outpulsing (in suitably equipped end offices), identification of the type of call, identification of the ten-digit telephone number of the calling party, and acknowledgement wink supervisory signals.

Exit Message

The term "Exit Message" denotes an SS7 message sent to an end office by the Telephone Company tandem switch to mark the connect time when the Telephone Company tandem switch sends an Initial Address Message to a customer.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Extended Area Service

The term "Extended Area Service" (EAS) denotes an arrangement whereby a customer in one exchange can call a local number in another exchange that is part of the extended area without paying a toll charge.

Firm Order Confirmation Date

The term "Firm Order Confirmation (FOC) Date" denotes the date that the Telephone Company will provide the schedule of days for the provisioning activities associated with the customer's request for service.

First Point of Switching

The term "First Point of Switching" denotes either the first Telephone Company location at which switching occurs on the terminating path of a call proceeding from the CDL to the terminating end office or the last Telephone Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the CDL.

Four-Wire to Two-Wire Conversion

The term "Four-Wire to Two-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity such as a Central Office switch trunk circuit or switching system.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Ground Start Supervisory Signaling

The term "Ground Start Supervisory Signaling" denotes a type of signaling which provides for the application of ground on the tip side at the point of termination (assuming no signaling conversion has been provided by the Telephone Company) as an initial seizure signal before the application of ringing in the originating direction (towards the customer from the end office).

Immediately Available Funds

The term "Immediately Available Funds" denotes a corporate or personal check drawn on a bank account and funds which are available for use by the receiving party on the same day on which they are received and includes U.S. Federal Reserve bank wire transfers, U.S. Federal reserve notes, (paper cash), U.S. Coins, U.S. Postal Money Orders and New York Certificates of Deposit.

Individual Case Basis

The term "Individual Case Basis" (ICB) denotes a condition where the regulations, if applicable, rates and charges for an offering under the provisions of this tariff are developed based on the circumstances in each case.

Information Service Provider

The term "Information Service Provider" denotes one who offers a capability for generating, acquiring, storing, transforming, processing, retrieving, utilizing, or making available information which may be conveyed via telecommunications, except that such service does not include (1) any use of any such capability for the management, control, or operation of a telecommunications system or the management of a telecommunications service, or (2) the provision of time, weather, and such other similar audio services that are offered by the Telephone Company.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Initial Address Message (IAM)

The term "Initial Address Message (IAM)" denotes an SS7 message sent in the forward direction to initiate trunk set up with the busying of an outgoing trunk which carries the information about that trunk along with other information relating to the routing and handling of the call to the next switch.

Installed Cost

The term "Installed Cost" denotes the total cost (estimated or actual) by the Telephone Company to provide facilities for the offered services.

Interexchange Carrier (IC) or Interexchange Common Carrier

The terms "Interexchange Carrier" (IC) or "Interexchange Common Carrier" denote any individual, partnership, association, joint stock company, trust, governmental entity or corporation engaged for hire in intrastate or foreign communication by wire or radio, between two or more LATAs.

Intermodulation Distortion

The term "Intermodulation Distortion" denotes a measure of the nonlinearity of a circuit. It is measured using four tones, and evaluating the ratios (in dBs) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and third-order products of the tones (R3).

Interstate Communications

The term "Interstate Communications" denotes both interstate and foreign communications.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Intrastate Communications

The term "Intrastate Communications" denotes any communications within the state subject to oversight by the Minnesota Public Utilities Commission as provided by the laws of Minnesota.

Line

The term "Line" denotes a communications path connecting an end office switch with an end user's premises or a CDL for the provision for FGA or BSA-A.

Line Group

The term "Line Group" denotes a grouping of lines which are traffic engineered as a unit for the establishment of connections between end office switches and customers in which all of the communications paths are interchangeable.

Line Side Connection

The term "Line Side Connection" denotes a connection of a transmission path to the line side of an end office system.

Local Access and Transport Area

The term "Local Access and Transport Area" (LATA) denotes a geographic area for the provision and administration of communications service. It encompasses designated Access Areas which are grouped to serve common social, economic, and other purposes.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Maximum Termination Liability

The term "Maximum Termination Liability" (MTL) denotes the maximum amount of money for which the customer is liable in the event all FIA ordered in a Special Construction case are discontinued before a specified period of time.

Maximum Termination Liability Period

The term "Maximum Termination Liability Period" denotes the length of time the customer is liable for a termination charge in the event specially constructed FIA are terminated. The MTL period is equal to the average account life of the FIA provided.

Mid Link

The term "Mid Link" denotes the Special Transport facilities between Hub Wire Centers where the circuit is bridged and/or where switching devices, such as a loop transfer arrangement, are located.

Milliwatt (102-Type) Test Line

The term "Milliwatt (102-Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the CDL from the Telephone Company end office.

Multicarrier Access Area

The term "Multicarrier Access Area" denotes an EAS for FGA and BSA-A or an area for FGB and BSA-B where FIA Services are provided by more than one telephone company in which a customer obtains access to an entire EAS or FGB or BSA-B area by obtaining a FGA or BSA-A or FGB or BSA-A access tandem arrangement that connects its switch with the First Point of Switching of the Primary Exchange Carrier.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

National Security Emergency Preparedness (NSEP) Services

The term "National Security Emergency Preparedness (NSEP) Services" denotes telecommunications services which are used to maintain a state of readiness or to respond to and manage any event or crisis (local, national or international), which causes or could cause injury or harm to the population, damage to or loss of property, or degrades or threatens the NSEP posture of the United States.

Net Salvage

The term "Net Salvage" denotes the estimated scrap, sale, or trade-in value, less the estimated cost of removal. Cost of removal includes the costs of demolishing, tearing down, removing, or otherwise disposing of the material and any other applicable costs. Because the cost of removal may exceed salvage, facilities may have negative net salvage.

Network Channel Interface Code

The "Network Channel Interface" code (NCI) is an ordering code that provides an indication of the generic channel type. The NCI code provides the technical characteristics of the interface and describes the physical and electrical characteristics of the special access interface to the customer designated locations. A complete description and listing of these interface codes is specified in Section 6103 of the Technical Interface Reference Manual.

Non-Overlap Outpulsing

The term "Non-Overlap Outpulsing" is the feature of the exchange access signaling system which provides initiation of pulsing to the customer's premises after the calling subscriber has completed dialing an originating call.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Nonrecoverable Cost

The term "Nonrecoverable Cost" denotes the cost of the specially constructed facilities for which the Telephone Company has no foreseeable use should the customer terminate service.

Nonsynchronous Test Line

The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but which can be made more rapidly.

North American Numbering Plan

The term "North American Numbering Plan" denotes a three-digit area or Numbering Plan Area (NPA) code and a seven-digit telephone number made up of a three-digit Central Office code (NXX) plus a four-digit station number (XXXX).

NSEP Treatment

The term "NSEP Treatment" denotes the provisioning of a telecommunications service before others based on the provisioning priority level assigned by the Executive Office of the President.

Off-Hook

The term "Off-Hook" denotes the active condition of Switched Access or a Telephone Company local service line.

On-Hook

The term "On-Hook" denotes the idle condition of Switched Access or a Telephone Company local service line.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Open Circuit Test Line

The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac open circuit termination of the trunk or line by means of an inductor of several Henries.

Order Interval

The term "Order Interval" denotes the interval between the Scheduled Issue Date and the Service Date.

Originating Direction

The term "Originating Direction" denotes the use of Switched Access for the origination of calls from an end user to a CDL.

Overlap Outpulsing

The term "Overlap Outpulsing" is the feature of the exchange access signaling system which permits initiation of pulsing to the customer's premises before the calling subscriber has completed dialing an originating call.

Plant Test Date

The term "Plant Test Date" denotes the date on which installation is completed and the Telephone Company to customer testing can begin.

Point of Termination

The term "Point of Termination" denotes the point of demarcation at a CDL or end user premises at which the Telephone Company's responsibility for the provision of FIA Service ends.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Premises

The term "Premises" denotes a building or buildings on continuous property (except Railroad Right-of-Way, etc.) not separated by a public highway.

Pre-service Testing

The term "Pre-service Testing" denotes tests performed on a FIA to assure standard transmission performance/parameters meet specifications prior to acceptance testing.

Primary Exchange Carrier

The term "Primary Exchange Carrier" (PEC) denotes the telephone company in whose exchange a customer's first point of switching (i.e., dial tone for FGA, an access tandem for FGB) is located.

Public Pay Telephone

The term "Public Pay Telephone" denotes a switched coin line provided under the Public Telephone Service regulations as set forth in Section III of the Telephone Company Local Exchange Tariff.

Recoverable Cost

The term "Recoverable Cost" denotes the cost of specially constructed facilities for which the Telephone Company has a foreseeable reuse, either in place or elsewhere should the customer terminate service.

Registered Equipment

The term "Registered Equipment" denotes the customer's terminal equipment which complies with or has been approved within the Registration Provisions of Part 68 of the FCC Rules and Regulations.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Release Message

The term "Release Message" denotes an SS7 Message sent in either direction to indicate that a specific circuit is being released.

Route Mileage

The term "Route Mileage" denotes the actual Telephone Company provided facility mileage of a transmission circuit.

Scheduled Issue Date

The term "Scheduled Issue Date" denotes the date the Telephone Company is scheduled to issue the confirmed ASR to all associated work groups.

Secondary Exchange Carrier

The term "Secondary Exchange Carrier" (SEC) denotes the telephone company in whose exchange a customer does not subscribe to FGA or BSA-A, or FGB or BSA-B service, but from whose exchange the customer's end users can call the interexchange switch or CDL of an IC in the primary exchange of another telephone company on a toll-free basis.

Semipublic Pay Telephone

The term "Semipublic Pay Telephone" denotes a switched coin line provided under the Semipublic Telephone Service regulations as set forth in Section III of the Telephone Company Local Exchange Tariff.

Service Date

The term "Service Date" denotes the date that the FIA is to be placed in service. A confirmed ASR is required to establish a service date.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Seven-Digit Manual Test Line

The term "Seven-Digit Manual Test Line" denotes a set of optional features for all Switched Access which allow the IC to select balance, milliwatt, and synchronous test lines of FGA or BSA-A, by manually dialing a seven-digit number over the associated Switched Access.

Short Circuit Test Line

The term "Short Circuit Test Line" denotes the end office circuit which provides an ac short circuit termination of the trunk or line by means of a capacitor of at least 4 microfarads.

Signaling System 7 (SS7)

The term "Signaling System 7 (SS7)" denotes the layered protocol used for standardized common channel signaling in the United States.

Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement of an end office which performs marginal operational tests of supervisory and ring-tripping functions.

Telecommunications Service Priority (TSP) System

The term "Telecommunications Service Priority (TSP) System" refers to the regulatory, administrative and operational system authorizing and providing for priority treatment (i.e., the provisioning and restoration) or NSEP Services.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

Temporary Facilities

The term "Temporary Facilities" denotes facilities used to provide FIA to a customer for less than the minimum service period or less than one month, whichever is longer, or to provide FIA while permanent facilities are being constructed.

Terminating Direction

The term "Terminating Direction" denotes the use of Switched Access for the completion of calls from a CDL to an end user.

Trunk

The term "Trunk" denotes a communications path connecting two switching systems in a network, used in an end-to-end connection.

Trunk Group

The term "Trunk Group" denotes a grouping of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

Trunk Side Connection

The term "Trunk Side Connection" denotes the connection of a transmission path to the trunk side of an end office switch.

V & H Coordinates Method

The term "V & H Coordinates Method" denotes a method of computing airline miles between two points by utilizing an established formula which is based on the Vertical (V) and Horizontal (H) coordinates of the two points.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.6 Definitions (Cont'd)

WATS Serving Office

The term "WATS Serving Office" denotes a Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in connection with a Special Access Line used with a Switching Interface as set forth in 4.2.5(V) following.

Wire Center

The term "Wire Center" denotes a location in which one or more central office switches, and cross connection equipment used for the provision of Telephone Company telecommunications services, are located.

Wire Center Area

The term "Wire Center Area" denotes the geographic area served by a Wire Center through the use of central office switching equipment, cross connection equipment, and subscriber loops.

# The use of the terms WATS or WATS-type throughout this tariff is primarily for ordering purposes and is not intended to restrict the use of the customer services when ordering Special Access and Switched Access in combination.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company

(A) When Switched Transport or Special Transport service is provided by more than one telephone company, the telephone companies involved will mutually agree upon one of the billing methods as in (1) or (2) following based upon the type of access service and the interconnection arrangements between the telephone companies.

The telephone company will notify the customer which billing method will be used. The customer will place the ASR as in 3.3.

(1) Single Company Billing:

The Single Company Billing method may be applied to FGA and BSA-A Switched Access Service.

The telephone company receiving the ASR from the customer, as specified in 3.3(A)(1), will arrange to provide the service, determine the applicable charges and bill the customer for the entire service in accordance with its Access tariff. The airline mileage is determined using the V&H method as set forth in the Exchange Carrier Association (ECA) Tariff FCC No. 4.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing:

Meet Point Billing is required when an access service is provided by multiple Telephone Companies for FGB, FGC, FGD, BSA-B, BSA-C and BSA-D Switched Access Services and Special Access.

There are two Meet Point Billing Options - Single Bill and Multiple Bill. The Telephone Company must notify the customer of: (1) the Meet Point Billing Option that will be used, (2) the Telephone Company(s) that will render the bill(s), (3) the Telephone Company(s) to whom payment(s) should be remitted, and (4) the Telephone Company(s) that will provide the bill inquiry function. The Telephone Company shall provide such notification at the time that an ASR is placed requesting access service. Additionally, the Telephone Company shall provide this notice in writing 30 days in advance of any change.

(a) Single Bill Option

The Single Bill Option allows the customer to receive one bill from one telephone company of its billing agent for access services.

The Telephone Company(s) that renders the bill to the customer may provide to the customer, cross references to the other Telephone Company(s) service and/or the common circuit identifiers based upon industry standards as contained in the MECAB document. Should a billing dispute arise, the terms and conditions of the Billing Company(s) will apply.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(a) Single Bill Option (Cont'd)

For usage rated access services the access minutes of use will be compiled by the Initial Billing Company and used by the Initial Billing Company and any subsequent Billing Company(s) for the development of access charges.

- The Initial Billing Company for FGB, FGC, FGD, BSA-B, BSA-C and BSA-D Switched Access services is normally the end user's serving office and for WATS usage the Initial Billing Company is normally the WATS serving office. When the Initial Billing Company is other than the normally designated Telephone Company, the Telephone Company will notify the customer.

- The Subsequent Billing Company(s) is any Telephone Company(s) in whose territory a segment of the Switched Transport Facility is provided and/or where the CDL is located.

The Single Bill option provides three billing alternatives, Single Bill/Single Tariff, Single Bill/Pass-Through Billing and Single Bill/Multiple Tariff which are described following:

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(a) Single Bill Option (Cont'd)

(1) Single Bill/Single Tariff

Each Telephone Company will receive an ASR or a copy of the ASR from the customer as specified in 3.3(A)(2) and arrange to provide the service. The Initial Billing Company will:

- determine the applicable charges and bill in accordance with its tariff;
- include all recurring and nonrecurring rates and charges of its tariff; and
- forward the bill to the customer.

The customer will remit the payment to the Initial Billing Company.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(a) Single Bill Option (Cont'd)

(2) Single Bill/Pass-Through Billing

Each Telephone Company will receive an ASR or a copy of the ASR from the customer as specified in 3.3(A)(2) and arrange to provide the service. Each Telephone Company will:

- determine its portion of Switched Transport and/or Special Transport as set forth in 2.7(A)(2)(c);
- determine the applicable charges and bill in accordance with its tariff;
- include all recurring and nonrecurring rates and charges of its tariff; and
- forward the bill to the Initial Billing Company for meet point billed access services.

The Initial Billing Company will:

- apply usage data, when needed, to the bill and calculate the charges;
- identify each involved Telephone Company's charges separately on the bill;

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(a) Single Bill Option (Cont'd)

(2) Single Bill/Pass-Through Billing (Cont'd)

- combine all the bills of the involved Telephone Companies of a meet point billed access service into one access bill;
- forward the bill to the customer; and
- advise the customer how to remit the payment, either directly to each Telephone Company involved in the provision of this meet point billed service; or, as a single payment made to the Initial Billing Company. If payments are to be sent directly to the Initial Billing Company, the Subsequent Billing Company(s) will provide the customer with written authorization for the payment arrangement.

**2. GENERAL REGULATIONS (Cont'd)**

**2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)**

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(a) Single Bill Option (Cont'd)

(3) Single Bill/Multiple Tariff

Each Telephone Company will receive an ASR or a copy of the ASR from the customer as specified in 3.3(A)(2) and arrange to provide the service. The Initial Billing Company will:

- determine each Telephone Company's portion of switched transport and/or special transport as set forth in 2.7.(A)(2)(c);
- determine the applicable charges and bill in accordance with each Telephone Company's tariff;
- include all recurring and nonrecurring charges for each involved Telephone Company;
- identify each involved Telephone Company's charges separately on the bill;
- forward the bill to the customer; and
- advise the customer how to remit the payment, either directly to each Telephone Company involved in the provision of this meet point billed service; or, as a single payment made to the Initial Billing Company. If payments are to be sent directly to the Initial Billing Company, the Subsequent Billing Company(s) will provide the customer with written authorization for the payment arrangement.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(b) Multiple Bill Option

The Multiple Bill option allows all Telephone Companies providing service to bill the customer for their portion of a jointly provided access service. Each Telephone Company will:

- determine its portion of the Switched Transport and/or Special Transport as set forth in 2.7(A)(2)(c);
- determine the applicable charges and bill in accordance with its tariff;
- include all recurring and nonrecurring rates and charges of its tariff; and
- forward the bill to the customer.

The customer will remit the payments directly to each Telephone Company.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(c) Meet Point Billing Mileage Calculation

Each Telephone Company's portion of the Switched Transport and/or Special Transport mileage will be determined as follows:

(1) For Switched Access Services, determine the appropriate Switched Transport Facility total miles by computing the number of miles from the wire center that normally serves the CDL to the serving wire center in the Access Area (i.e., end user serving wire center, or WATS Serving Office), using the V&H method as set forth in the ECA Tariff FCC No. 4. For Special Access Services, determine the appropriate Special Transport total miles by computing the number of miles between the serving wire centers involved (i.e., CDL serving wire center or Hub Wire Center or WATS Serving Office) using the V&H method as set forth in the ECA Tariff FCC No. 4. Where the calculated miles include a fraction, the value is always rounded up to the next full mile.

(2) Determine the billing percentage (BP), as set forth in the ECA Tariff FCC No. 4. This represents the portion of the Service provided by each telephone company.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(c) Meet Point Billing Mileage Calculation (Cont'd)

(3) For Switched Access Service, using the BP method, (a) multiply the BP of the Telephone Company, as set forth in (2) preceding, times the number of airline miles, as set forth in (1) preceding, to determine the appropriate telephone company miles to be billed, times the number of access minutes of use, times the Switched Transport Facility rate.

Example of Billing Percentage (BP) Method:

The Switched Transport Facility between Office X and Office Y is jointly provided by telephone companies A and B. The following example reflects the rate for telephone company A. Rates for telephone company B would appear in its appropriate access tariff.

(A) Airline miles from telephone Company A (office X) to telephone company B (office Y) = 50 airline miles as set forth in ECA Tariff FCC No. 4.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(c) Meet Point Billing Mileage Calculation (Cont'd)

(3) (Cont'd)

(B) Billing Percentage for each telephone company (from ECA Tariff FCC No. 4).

Telephone Company A = 40%
Telephone Company B = 60%

(C) Access Minutes for Telephone Company A = 9000

(D) Switched Transport Facility rate for Telephone Company A = $ .00030202

Formula:

Billing Percentage (BP) x Airline miles (ALM) x Access Minutes (AM) x Transport Rate = Total.

Calculation:

Telephone Company A

| BP | | ALM | | AM | | Switched Transport Facility Rate | | Total |
|---|---|---|---|---|---|---|---|---|
| .40 | x | 50 | x | 9,000 | x | .00030202 | = | $54.36 |

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing (Cont'd)

(c) Meet Point Billing Mileage Calculation (Cont'd)

(4) For Special Access, multiply the BP of the Telephone Company as set forth in (2) preceding, times the number of airline miles as set forth in (1) preceding, to determine the appropriate telephone company miles to be billed, times the Special Transport rate.

(d) All other appropriate recurring and nonrecurring charges in each telephone company's access tariff are applicable.

(e) In addition, the Switched Transport Facility is provided by more than one telephone company, The Switched Transport Termination rate applies for the termination (i.e., the first point of switching and/or the end office serving the end user) at the Telephone Company end of the Switched Transport Facility. The Switched Transport Termination rate will not apply when the Telephone Company is the intermediate provider of the Switched Transport Facility.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(B) PEC and SEC Access Arrangements

Where the customer utilizes FGA or BSA-A Service for calls between a PEC and a SEC within the same Multicarrier Access Area, as in 2.6, the SEC will apply Switched Access Service rates provided the following criteria are met;

(1) The PEC and SEC are not the same telephone company,

(2) The PEC and SEC do not provide service under the same access service tariff,

(3) The PEC and SEC do not have a revenue sharing arrangement,

(4) The PEC and SEC do not have a multiple company billing arrangement as in 2.7(A)(2).

The Switched Access Service rates are applied as follows: the SEC will apply the Switched Transport (e.g., Switched Transport Facility, Switched Transport Termination), End Office Services and the Directory Assistance Information Surcharge rates to both originating and terminating access minutes as in 4.2.4, 4.2.18 and 4.5.2(N)(2). The customer will place the ASR for these services as in 3.3(B).

Where the PEC and SEC have a revenue sharing arrangement, the SEC is precluded from billing as set forth preceding.

## 2. GENERAL REGULATIONS (Cont'd)

### 2.7 FIA Services Provided By More Than One Telephone Company (Cont'd)

(B) PEC and SEC Access Arrangements (Cont'd)

Listed below are those locations where the PEC and SEC do not have a revenue sharing arrangement, and in which the Switched Access service rates, as described above, will apply.

State - Minnesota

SEC

Citizens Telecommunications of Minnesota

PEC

U. S. West Communications, Inc. (FGA and BSA-A)

## 3. ORDERING OPTIONS FOR FIA

### 3.1 General

This section sets forth the regulations and order related charges for ASRs to provide the customer with FIA. These charges are in addition to other applicable charges as set forth in other sections of this Tariff.

#### 3.1.1 Ordering Conditions

(A) A customer may order any amount of FIA (Switched or Special) of the same interface type, same Feature Group, same BSA or same Special Access between the same locations for installation on the same date on a single FIA Order. A customer may order the changed use of Switched Access and Special Access over the same high capacity facility, however, separate ASRs are required. The methodology for shared use is in 5.6.7. Orders for FGA or BSA-A must be in number of lines required. Orders for FGB, FGC, FGD, BSA-B, BSA-C and BSA-D and SAC Access Service must be in trunks or Busy Hour Minutes of Capacity (BHMC). Additional ASR requirements for Switched Access Service are described in 4.2.1, 4.2.2, 4.2.5(V) and 4.3.2.

(B) The customer shall supply all details necessary to complete an ASR. The details may include the following: requested service date, customer name, customer designated location, end office, Interface Arrangement, type of Switched Access or Special Access, Supplemental Features, End Office Services and Signaling Interface, and originating and terminating capacity required. The customer may also be required to provide end user name and location, end user contact person, and end user premises access information to complete an order for Special Access.

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.1 General (Cont'd)

#### 3.1.1 Ordering Conditions (Cont'd)

(C) When the Alternate Traffic Routing Optional Arrangement is ordered, more than one CDL will be supplied and the number of trunks or BHMC for FGB, FGC and FGD to each CDL shall be specified.

When the Alternate Traffic Routing Basic Serving Element (BSE) is ordered, more than one CDL will be supplied and the number of trunks or BHMC for BSA-B, BSA-C, and BSA-D to each CDL shall be specified.

(D) The customer shall order SAC Access Service, as described in 4.2.1(E), in the same manner as ordering FGD or BSA-D with the following exceptions. For 900 SAC Access Service customers may request direct connections to only those offices designated by the Telephone Company at 900 SAC Access Service screening offices. All 900 NXX code assignments and administration shall be in accordance with the North American Numbering Plan (NANP). 800/888/877 SAC Access Service is offered only in conjunction with the 800/888/877 Customer Identification Function as described in 4.2.11 and in conjunction with 800/888/877 Data Base Query Service as described in 4.2.19. Customers may request 800/888/877 SAC access connections to suitably equipped end offices and access tandem offices. A list of those offices will be provided upon request. All 800, 888 or 877 number assignments shall be administered by the Number Administration Service Center (NASC) through the Service Management System (SMS).

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.1 General (Cont'd)

#### 3.1.1 Ordering Conditions (Cont'd)

(D) (Cont'd)

900 NXX codes to be activated and/or deactivated in conjunction with 900 SAC Access Service, must be provided to the Telephone Company at least 30 business days prior to the effective date of the change.

An ASR is required by the Telephone Company for 900 NXX codes to be activated or deactivated on a tandem level basis. The subsequent Ordering Charge - Switched Access as described in 4.5.2(A) will apply. Customer assigned codes for which an ASR has not been received will be blocked.

(E) To determine if adequate central office facilities (i.e., trunk circuits) for FGD or BSA-D will be available on the conversion date to equal access and to be eligible for the allocation as set forth in the following paragraph all customers (including those customers who convert existing FGA, FGB, FGC, BSA-A, BSA-B and BSA-C to FGD or BSA-D) must order FGD or BSA-D 120 days prior to an end office conversion to equal access.

When trunk circuits are not available to meet the demand an allocation of available trunk circuits will be required. The allocation of available facilities is a three step process as described below:

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.1 General (Cont'd)

#### 3.1.1 Ordering Conditions (Cont'd)

(E) (Cont'd)

In this example assume nine Ics have ordered BHMCs which necessitate 1,000 FGD trunks where only 800 trunk circuits are available at the conversion date.

Step 1: Provide an initial flat 25% distribution of available trunk circuits to each requesting IC except for incremental requests over existing levels of FGC. (See table in Step 3.)

- 25% x 800 (available facilities) = 200
- 200 = 25
  (9-1)

Step 2: Assign all remaining trunk circuits proportionately, working from bottom up until Ics, as a result of the proration, are assigned less facilities than desired. First determine facilities available for apportionment.

- 800 - 175 = 625 (eligible Ics are A, B, C, D, E, F)

- (Desired Facilities )
  (Total Desired Facilities) x Remaining Facilities
  (of Remaining Facilities )

- F = 70 x 625 = 46 (assign only 45)(**)
  1000 - 50

- E = 80 x (625 - 45) = 53
  1000 - 120

(E receives less facilities than originally ordered, i.e.,53+25=78)

** will not assign more than desired

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.1 General (Cont'd)

#### 3.1.1 Ordering Conditions (Cont'd)

(E) (Cont'd)

Step 3: When an IC receives less facilities than desired, the remainder of ICs are allocated according to the following allocation factor:

$$\frac{\text{Remaining Facilities of Remaining Eligible ICs of Access}}{\text{Total Desired Facilities}} = \frac{625 - 98}{1000 - 200} = \frac{527}{800} = .659$$

- D = 100 x .659 = 66
- C = 200 x .659 = 132
- B = 200 x .659 = 132
- A = 300 x .659 = 197

| ICs | Demand Desired (In Trunks) | Resources Available | Step 1 Flat 25% Distribution | Step 2 | Step 3 | Total Assigned Trunk Circuits |
|---|---|---|---|---|---|---|
| A | 300 | - | 25 | - | 197 | 222 |
| B | 200 | - | 25 | - | 132 | 157 |
| C(*) | 200 | - | -0- | - | 132 | 132 |
| D | 100 | - | 25 | - | 66 | 91 |
| E | 80 | - | 25 | 53 | - | 78 |
| F | 70 | - | 25 | 45(**) | - | 70 |
| G | 25 | - | 25 | - | - | 25 |
| H | 15 | - | 15(**) | - | - | 15 |
| I | 10 | - | 10(**) | - | - | 10 |
| Total | 1,000 | 800 | 175 | 98 | 527 | 800 |

(*) Request for additional trunk circuits by an IC with existing FGC or BSA-C
(**) Will not assign more than desired

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.1 General (Cont'd)

#### 3.1.1 Ordering Conditions (Cont'd)

(F) When a customer orders DS3 Special Access, the customer may specify on the ASR if the interface is to be an electrical or an optical interface. In the event the customer does not identify an interface preference with the ASR, the Telephone Company will provide an electrical interface.

When a customer orders DS3C Special Access, the Telephone Company will provide an optical interface unless service is provided via microwave in which case an electro-magnetic interface is provided, or unless the customer specifies on the ASR a request for an electrical interface.

(G) When ordering Signaling System 7 (SS7) Out of Band Signaling as described in 4.2.5(A)(A), the customer shall provide an ASR specifying a reference to existing CCS7 Access service facilities or reference to a related ASR for CCS7 Access service. The customer's ASR shall also include STP point codes, STP location identifier codes, FGD or BSA-D trunk or 800/888/877 Service Access trunk circuit identification codes, and switch type. When ordering SS7 Out of Band Signaling for FGD or BSA-D, the customer shall specify that all traffic carried by that FGD or BSA-D will be equipped with out of band signaling. The customer shall work cooperatively with the Telephone Company to determine the number of CCS7 Access service connections required to handle the customer's SS7 Out of Band Signaling traffic.

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.1 General (Cont'd.)

#### 3.1.1 Ordering Conditions (Cont'd)

(H) When ordering FGD or BSA-D Switched Access with 950-XXXX Access as described in 4.2.5(T), the customer shall provide an ASR specifying which 950-XXXX access code(s) are to be routed and the FGD or BSA-D Switched Access Service over which the resulting originating 950-XXXX access code calls are to be routed.

#### 3.1.2 Provision of Other Services

(A) At the option of a customer, Recording and Processing, Directory Assistance, Additional Labor, Telecommunications Service Priority (TSP), Testing and Special Routing services may be ordered with an ASR at the same time the ASR is accepted by the Telephone Company. Such requests will be considered to be supplemental to the ASR. The rates and charges for these services as set forth in other sections of this tariff will apply in addition to the ordering charges set forth in this section and the rates and charges for the Switched Access or Special Access with which they are associated.

(B) The items listed in (A) preceding may subsequently be added to the ASR at any time, up to and including the service date established by the ASR. When ordered subsequently, charges for ASR modifications as set forth in 3.2.2 following will apply.

#### 3.1.3 Special Construction

The regulations, rates and charges for Special Construction as set forth in Section 10 following are in addition to the regulations, rates and charges specified in this section.

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request

An ASR is used by the Telephone Company to receive orders for the following types of FIA requested by the customer:

-Switched Access as set forth in Section 4 following,
-Special Access as set forth in Section 5 following, and
-Other Services as set forth in other sections of the tariff.

#### 3.2.1 Service Date Intervals

The time required to provision service is known as the service date interval. Such intervals will be established in accordance with published service date interval guidelines which are available to customers upon request. The service date interval guidelines will apply to ASRs and will specify the quantities of FIA that can be provided on the same service date. The customer may request a service date other than that established pursuant to the service date interval guidelines, and the Telephone Company, where possible, will establish the service date in accordance with such request, subject, however, to other applicable provisions of this tariff.

#### 3.2.2 ASR Modifications

The customer may request a modification of its ASR prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an ASR within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the ASR modification, the Telephone Company will schedule a new service date. All charges for ASR modifications will apply on a per occurrence basis. Where a new ASR may be required the appropriate charges as set forth in other sections of this tariff will be applicable.

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.2 ASR Modifications (Cont'd)

Any increase in the number of Switched Access lines for FGA or BSA-A, trunks or BHMCs for FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service or Special Access circuits will require the issuance of a new ASR for the incremental capacity.

(A) Service Date Change Charge

ASR service dates may be changed, however, a Service Date Change Charge will apply for each service date change after the scheduled issue date of the original ASR.

The new service date may not exceed the original service date by more than 30 days. If the requested service date is more than 30 days after the original service date, the ASR will be considered cancelled by the telephone company and cancellation charges as in 3.2.6 will apply. A new ASR will be issued with the new service date.

With the agreement of the Telephone Company, a new service date may be established that is prior to the original service date and the provisions in 3.2.2(D) will apply in addition to the Service Date Change Charge.

Service Date Change Charge
(GSEC NASDCC)……..$40.34

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.2 ASR Modifications (Cont'd)

(B) Partial Cancellation Charge (GSEC) NACC

Any decrease in the number of Switched Access lines for FGA or BSA-A, trunks or BHMC for FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service or Special Access circuits will be treated as a partial cancellation.

A customer may cancel any number of Special Access circuits. For Switched Access Services, the capacity cancelled may be subject to the Minimum Capacity Requirements as in 3.5.

When a customer partially cancels the service ordered on an ASR, charges will apply as follows:

(1) Except as specified in 3.2.6(D), when an ASR for Switched Access Service is partially cancelled on or after the Scheduled Issue Date, the associated Initial Ordering Charge - Switched Access will apply, plus the Subsequent Ordering Charge - Switched Access as in 4.5.2(A)(2) will also apply for the reissuance of a supplement order.

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.2 ASR Modifications (Cont'd)

(B) Partial Cancellation Charge (Cont'd)

(2) When an ASR for Special Access Service is partially cancelled on or after the Scheduled Issue Date and before the Plant Test Date, the associated Initial Ordering Charge - Special Access will apply, plus the Subsequent Ordering Charge - Special Access as set forth in Section 5.6.1(D) will also apply for the reissuance of a supplement order.

When an ASR for Special Access Service is partially cancelled on or after the Plant Test Date, the Initial and Subsequent Ordering Charges as set forth preceding will apply, plus the Installation Charge(s) associated with the items cancelled.

(C) Discontinuance of Service

A customer may discontinue FIA that is in service at any time. If a service is discontinued prior to the expiration of the Minimum Period as set forth in 3.2.4 following, the Minimum Period Charges as set forth in 3.2.5 following may apply. For Switched Access Service, the capacity discontinued may be subject to the Minimum Capacity Requirements as set forth in 3.5 following. The disconnection date is the date the Telephone Company receives written or verbal notice from the customer that the service is to be discontinued. The verbal notice must be followed by written confirmation within 10 days.

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.2 ASR Modifications (Cont'd)

(D) Design Change Charge (GSEC) NADCC

The customer may request a design change to a pending ASR for both Switched and Special Access or request a change to an existing Switched Access Service. A Design change is a change which requires engineering review. The regulations, rates and charges for a design change are as set forth in Section 4.5.2(A)(2)(b) following for Switched Access Service, and Section 5.6.1(D)(3), and are in addition to the regulations, rates and charges specified in this section.

(E) Expedited Order Charge (T)

1. A customer may request an expedited service date. A customer may also request an earlier service date on a pending Access Order. If the Telephone Company determines that service can be provided on the requested date, an Expedited Order Charge will apply. (N)

   A customer may request a change of end user premises within the same serving wire center. When this occurs, the service date is changed to reflect the standard service date interval. If the customer requests an earlier service date, an Expedited Order Change will apply.

   When an expedited service date is missed, the Expedited Order Charge will apply unless the missed service date is caused by the Telephone Company. (N)

**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.2 ASR Modifications (Cont'd)**

(E) Expedited Order Charge (Cont'd)

1. (Cont'd)

The Expedited Order Charge will apply to all services found in the tariff unless otherwise specified. This charge will be applied when the customer requests a service date that is prior to the standard service date interval on an Access Order, or when a customer requests an earlier service date on a pending Access Order. - (N)

The Expedited Order Charge, as set forth below, will apply on a per order basis for each day the service date is advanced

Expedited Order Charge
per order, per day advanced $300.00 (N)

2. When the customer requests an expedited service date, charge will be applicable as set forth in 6.2 following and are in addition to the Expedited Order Charge calculated in (1) preceding. The Telephone Company will provide an estimate of the charges to the customer. The customer must accept the price estimate prior to the Telephone Company's performing the expedite. The actual charges billed to the customer will be no more than 10 percent over the estimate. (T) (T)

When the request for expediting occurs subsequent to the issuance of the Access Order, a Service Date Change Charge as set forth is (A) proceeding also applies. (N) (N)

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.3 Selection of Facilities for Access Service

(A) (Reserved for Future Use)

(B) Requests for a specific circuit is not an option of the customer except as provided for under Special Facilities Routing of FIA in Section 9.

#### 3.2.4 Minimum Period

(A) The Minimum Period for which Special Access and End User FIA are provided and for which charges are applicable, is one month, except as in B through F.

(B) The Minimum Period for Miscellaneous Services is in Section 6.

(C) The Minimum Period for program audio Special Access is the minimum period for which rates are established in Sections 5.7 and 5.8 following.

(D) The Minimum Period for FIA provided under Special Construction provisions and for which charges are applicable is in Section 10.

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.4 Minimum Period (Cont'd)

(E) The Minimum Period for FGA, FGB, FGC, BSA-A, BSA-B, BSA-C, SAC Access Service, and also for FGD or BSA-D ordered after the conversion of an end office to equal access, is three months. For the application of the minimum period charges for Switched Access Service FGB, FGC, BSA-B, BSA-C, SAC Access Service, and for FGD or BSA-D ordered after the conversion of an end office to equal access, it is assumed the last identical capacity placed in service is the first one discontinued.

(F) For FGD or BSA-D ordered prior to the conversion of an end office to equal access and (1) cancelled prior to the conversion date, a Cancellation Charge as in 3.2.6 applies, or (2) cancelled on or after the equal access conversion date, a Discontinuance Charge as in 3.2.7 applies.

#### 3.2.5 Minimum Period Charges

When FIA are discontinued prior to the expiration of the Minimum Period, charges are applicable for the remaining month(s) and/or fraction thereof of the Minimum Period.

The Minimum Period Charge will be determined as follows:

(A) (Reserved for Future Use)

(B) For Special Access, the charge is the applicable monthly rate for the service(s) as found in Section 5.7 following.

(C) (Reserved for Future Use)

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.5 Minimum Period Charges (Cont'd)

(D) For FGD or BSA-D ordered prior to conversion of an end office to equal access, but cancelled after the equal access conversion date, a Discontinuance Charge as in 3.2.7 applies.

(E) For part-time or occasional program audio Special Access services, the rates in Section 5.6.1, 5.7, and 5.8 following will apply.

(F) For FGA, FGB, BSA-A and BSA-B Type service where measurement equipment is not available, and the Assumed Minutes of Use Monthly Surrogate is used, the charge will be the prorated amount on a daily basis, calculated at 1/30 of the applicable rate shown in 4.6.7, for each day of the minimum period the facility was in service.

#### 3.2.6 Cancellation of an ASR

(A) A customer may cancel ordered FIA on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the customer that the ASR is to be cancelled. The verbal notice must be followed by written confirmation within 10 days.

If a customer is unable to accept FIA within 30 days of the original service date, the ASR shall be considered cancelled and charges as in (C) and (D) following will apply. In such instances, the cancellation date shall be the 31st day beyond the original service date of the ASR.

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.6 Cancellation of an ASR (Cont'd)

(B) ASR costs are considered to have started when the Telephone Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred. These costs include but are not limited to preliminary engineering, orders to suppliers and other similar items of cost. For purposes of determining cancellation charges, the costs are considered to have started the day the Telephone Company is scheduled to issue the confirmed ASR to all associated work groups. For all ASRs this is known as the Scheduled Issue Date. The customer will be notified of the applicable critical date interval on the Firm Order Confirmation (FOC) date. The cancellation charges will not apply until the customer is notified of such changes.

(C) When a customer cancels an ASR for the installation of new service, or an ASR to modify existing service, charges will apply as follows:

(1) Except as specified in (D) following, when an ASR for Switched Access Service is cancelled on or after the Scheduled Issue Date, all nonrecurring charges associated with the Switched Access ASR, will apply as in 4.5.2(A)(2)(a).

(2) When an ASR for Special Access Service is cancelled on or after the Scheduled Issue Date and before the Plant Test Date, the appropriate Service Ordering Charge will apply as in Section 5.6.1(D)(1).

**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.6 Cancellation of an ASR (Cont'd)**

(C) (Cont'd)

(2) (Cont'd)

When an ASR for Special Access Service is cancelled on or after the Plant Test Date, the Initial or Subsequent Ordering Charge and Service Installation Charges will apply as in Section 5.6.1(D), plus any Installation Charges associated with supplemental features or arrangements.

(D) For cancellation of an ASR for Switched Access FGD or BSA-D before an end office converts to equal access, cancellation charges as set forth following will apply if the Telephone Company is notified of the cancellation within a period of 12 months prior to the scheduled service date. Cancellation charges apply to each trunk cancelled.

When, due to a shortage of FGD or BSA-D facilities an allocation of FGD or BSA-D facilities is made, cancellation charges apply only to circuits allocated to the customer.

FGD or BSA-D Maximum Per Trunk Cancellation Charge……...$477.77

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.6 Cancellation of an ASR (Cont'd)

(D) (Cont'd)

Cancellation charges will accrue to the maximum in equal monthly increments (i.e., Maximum Cancellation Charge divided by 12) beginning twelve months before an end office converts to equal access. Maximum cancellation charge is listed above. The charge applied will be the accrued charge in the month during which notice of cancellation is received by the Telephone Company.

Example:

| Month During Which Notice is Received Before Conversion Date | Charge (Per trunk cancelled) |
|---|---|
| 12 | $ 39.81 |
| 11 | 79.63 |
| 10 | 119.44 |
| 9 | 156.26 |
| 8 | 199.07 |
| 7 | 238.88 |
| 6 | 278.70 |
| 5 | 318.51 |
| 4 | 358.33 |
| 3 | 398.14 |
| 2 | 437.96 |
| 1 | 477.77 |

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.2 Access Service Request (Cont'd)

#### 3.2.7 Discontinuance of Switched Access FGD or BSA-D

A Discontinuance Charge applies if a customer discontinues FGD or BSA-D service provided at the conversion of an end office to equal access. The Discontinuance Charge applies to each FGD or BSA-D trunk discontinued with one exception. When The FGD or BSA-D service is a result of an upgrade from FGB, FGC, BSA-B, BSA-C or SAC Access Service trunks in service prior to conversion to equal access, the Discontinuance Charge will only apply to the number of FGD or BSA-D trunks being discontinued that are in excess of the number of FGB, FGC, BSA-B, BSA-C or SAC Access Service trunks in service prior to conversion to equal access. However, the customer may still be liable for any Minimum Period charges as in 3.2.5 that may be applicable to the FGB, FGC, BSA-B, BSA-C or SAC Access Service trunks that were in service prior to conversion. For purposes of calculating the Discontinuance Charge the Maximum Discontinuance Charge will be amortized in equal monthly increments (i.e., Maximum Discontinuance Charge divided by 12) over a 12 month period beginning on the date the end office converts to equal access. The Maximum Discontinuance Charge is equal to the FGD Maximum Cancellation Charge as in 3.2.6. The charge assessed will be the unamortized portion of the Maximum Discontinuance Charge.

**3. ORDERING OPTIONS FOR FIA (Cont'd)**

**3.2 Access Service Request (Cont'd)**

**3.2.7 Discontinuance of Switched Access FGD or BSA-D (Cont'd)**

Example:

| Month During Which Service is Discontinued After Conversion Date | Charge (Per Trunk Discontinued) |
|---|---|
| 1 | $477.77 |
| 2 | 437.96 |
| 3 | 398.14 |
| 4 | 358.33 |
| 5 | 318.51 |
| 6 | 278.70 |
| 7 | 238.88 |
| 8 | 199.07 |
| 9 | 156.26 |
| 10 | 119.44 |
| 11 | 79.63 |
| 12 | 39.81 |

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.3 Access Service Requests For Services Provided By More Than One Telephone Company

(A) Switched or Special Access Services provided by more than one telephone company are services where one end of the Switched Transport or Special Transport facility is in the operating territory of one telephone company and the other end of the facility is in the operating territory of a different telephone company.

The ordering procedure for this service is in (1) and (2) following. The telephone company will notify the customer, identifying which ordering procedures will apply.

(1) Single Company Billing

The telephone company receiving the ASR from the customer will arrange to provide the service and bill the customer as in 2.7(A)(1). The customer will place the ASR with the telephone company as follows:

(a) For Switched Access Services the customer will place the ASR with the telephone company in whose territory the following is located:

- FGA or BSA-A - dial tone office

When the preceding is not in the same telephone company's territory as the customer designated location (CDL), the customer must supply a copy of the ASR to the telephone company in whose territory the CDL is located.

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.3 Access Service Requests For Services Provided By More Than One Telephone Company (Cont'd)

(A) (Cont'd)

(2) Meet Point Billing

Each telephone company will provide its portion of the Switched Transport or Special Transport service within its operating territory to the meet point with the other telephone company(s). The BP will be determined by the telephone companies involved in providing the FIA service and listed in the ECA Tariff FCC No. 4.

For all Switched Access Services and all Special Access Services the order will be placed with the telephone company as specified in the Ordering and Billing Forum's Multiple Exchange Carrier Ordering and Design (MECOD) guidelines.

(B) When FGA or BSA-A is ordered in a Multicarrier Access Area, the customer must provide a copy of the order to the SEC. The SEC will bill as in 2.7.

### 3.4 (Reserved for Future Use)

### 3.5 Switched Access Minimum Capacity Requirements

**3.5.1 When a customer orders Switched Access, it will be provided subject to the minimum capacity provisions in 3.5.2 through 3.5.5.**

**3.5.2 There is no minimum capacity for Interface Arrangements 1 and 2 as in 3.5.5. However, for Interface Arrangements 3 through 10 the minimum capacity is as in 3.5.5. A description of Interface Arrangements is found in 4.2.3(B).**

**3.5.3 (Reserved for Future Use)**

## 3. ORDERING OPTIONS FOR FIA (Cont'd)

### 3.5 Switched Access Minimum Capacity Requirements (Cont'd)

3.5.4 For the purpose of administering the minimum capacity provisions, different Switched Access feature groups or BSAs for the same customer may be grouped together if the facilities provided for all the connections are the same and terminate in the same facilities terminal in the same Telephone Company access tandem or end office.

3.5.5 The following table provides the total capacity of the interface and the thresholds for minimum ASR requirements. When the customer requests one of the following, it is required to order sufficient lines for FGA or BSA-A, and sufficient trunks or BHMCs for FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service to satisfy the minimum capacity. When the customer requests more than one of the same Interface Arrangements, it is required to meet the total minimum capacity of all such Interface Arrangements, e.g., a customer with two DS1 Interface Arrangements will be billed a minimum of 34 DS1 circuits.

| Interface Arrangement | Interface Type | Interface Name | Total Capacity (circuits) | Minimum Capacity (circuits) |
|---|---|---|---|---|
| 1 | Voice Frequency | 2-Wire | 1 | NA |
| 2 | Voice Frequency | 4-Wire | 1 | NA |
| 3 | Analog | Group | 12 | 9 |
| 4 | Analog | Supergroup | 60 | 42 |
| 5 | Analog | Mastergroup | 600 | 420 |
| 6 | Digital | DS1 | 24 | 17 |
| 7 | Digital | DS1C | 48 | 34 |
| 8 | | | | |
| 9 | Digital | DS3 | 672 | 471 |
| 10 | Digital | DS3C | 1344 | 941 |

4. SWITCHED ACCESS

4.1 General

The Telephone Company adopts, for intrastate services, Section 6 and the associated rates in Section 20 Frontier Telephone Companies Tariff FCC No. 1 (the Telephone Company's interstate access tariff) effective as of July 1, 2012, and any successive issues thereto. This tariff was filed with the FCC on behalf of the Telephone Company and affiliated companies.

This tariff includes all the rules, regulations, rates and charges under which interstate access services will be offered. Exceptions to this adoption of the tariff schedules, if any, are as follows:

4.2 Language Exceptions:

(None)

4.3 Rate Exceptions:

| Local Switching Service | Originating | Terminating* | |
|---|---|---|---|
| Local Switching (LS1) Prem -Non 800/888 | $0.02457470 | * | (C) |
| Local Switching (LS2) Prem – Non 800/888 | $0.02674771 | * | (C) |
| Transitional (LS) Nprem – Non 800/888 | $0.01417770 | * | (C) |
| Interconnection Service Category | | | |
| Transitional Interconnect Charge – Non 800/888 | $0.00637786 | * | (C) |

(D)

*See Frontier Companies Tariff FCC No. 1 for rates. (C)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

4. RESERVED FOR FUTURE USE (Cont'd)

(D)

(D)

## 5. SPECIAL ACCESS

### 5.1 General

All terms, conditions and references in the following sheets pertain to IntraLATA and InterLATA Special Access.

The Special Access rates and charges in this section are applicable to the following Citizens Minnesota exchanges: Adams, Alden, Bigelow, Kiester, Leroy and Lyle.

Special Access rates and charges for all other Citizens Minnesota exchanges are found in Section 11.

Special Access provides a transmission path to connect CDLs* within a Local Access and Transport Area for Intrastate Telecommunication purposes. Special Access provided to a customer may be connected directly to customer facilities, through Telephone Company Hub Wire Centers where bridging or multiplexing functions are performed and/or may be connected to access facilities of another telephone company or companies in the joint provision of Special Access Service.

The provision of Switched Access and Special Access in combination is normally for, but not limited to, the use of WATS or WATS-type Access. When Special Access is connected to Switched Access, the terms, conditions and rates for the facilities between the end user's CDL and the WATS Serving Office are as set forth in this section of the tariff; the terms, conditions and rates for the facilities between the WATS Serving Office and the IC's CDL, as well as the Switching Functionalities (e.g., end user access codes, screening) are as in Section 4.

Special Access can be provided in either analog or digital format. Analog formats are differentiated by spectrum and bandwidth. Digital formats are differentiated by bit rate. The specific types of Special Access (e.g., Voiceband, Wideband Data Service) provided are described in 5.2.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.1 Rate Elements (Cont'd)

With the exception of Temporary Videoband Service, there are five basic rate elements which apply to Special Access Service.

Special Transport (described in 5.1.1(B) following)
Special Transport Termination (described in 5.1.1(G) following)
Special Access Line (described in 5.1.1(C) following)
Supplemental Features (described in 5.4 following)
Multiplexing Arrangements (described in 5.5 following)

The following is a list of Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

| Generic Name | Citizens Name |
|---|---|
| Access to Clear Channel Transmission | Clear Channel Capability |
| Automatic Protection Switching | Automatic Protection Switching |
| Bridging | Bridging |
| Conditioning | Conditioning |
| Data Over Voice (DOV) Service | DOV Connect |
| Secondary Channel Capability | Digital Data Service - Secondary Channel |
| Multiplexing - Digital 2000 | Multiplexing Arrangements |

* Telephone Company CENTREX CO-like switches are considered to be CDLs for the purposes of this tariff.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.1 Rate Elements (Cont'd)

(A) (Reserved for Future Use)

(B) Special Transport

(1) The Special Transport rate element provides for the transmission facilities between the serving wire centers associated with two CDLs, between a serving wire center associated with an end user's CDL and a WATS Serving Office, between a serving wire center associated with a CDL and a Telephone Company Hub Wire Center or between two Telephone Company Hub Wire Centers. This rate element is distance sensitive and varies with type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Wideband Data Service, etc.). Special Transport may be provided by more than one telephone company. The method of calculating applicable airline miles for rating purposes for Special Access is specified in 2.7.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.1 Rate Elements (Cont'd)

(B) Special Transport (Cont'd)

(2) Special Transport may be used in conjunction with Switched Access for the purpose of provisioning Originating Only, Terminating Only or Combined Originating/Terminating Access as in 4.2.5(V). Special Transport employed in this manner provides the FIA for the closed-end of the services between the wire center serving the end user's CDL where WATS Serving Office functions are not available and the WATS Serving Office.

When the necessary WATS Serving Office functions are not provided at the wire center which serves the end user's CDL, the Telephone Company will designate the wire center where the WATS Serving Office functions are available. The charge associated with the Special Transport may be waived as in 4.2.1(D).

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.1 Rate Elements (Cont'd)

(C) Special Access Line

(1) A Special Access Line provides the transmission facilities between a CDL and the serving wire center of that location. This rate element varies by type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Wideband Data Service, etc.).

The selection of a Terminating Option, as defined in 5.3, is required for terminating the network portion of a Special Access Line at a CDL. Terminating Options provide a clearly delineated interface which facilitates the design, isolation, and testing of the Special Access.

One Special Access Line charge applies per CDL at which the facility is terminated. This charge will apply even if the CDL and the serving wire center are co-located in a Telephone Company building. The Special Access Line charge used with a Switching Interface, as set forth in (2) below is, applicable only for the transmission facilities between the end user's CDL and the serving wire center of that location.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (Cont'd)

(2) A Special Access Line may be provided in conjunction with FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C and BSA-D Switched Access Service for the purpose of Originating Only, Terminating Only, or Combined Originating and Terminating Access as in 4.2.1 and 4.2.2. A Switching Interface is required for the provision of this service as 4.2.5(V). The Special Access Line provides the closed-end of the dedicated facilities between an end user's CDL and its serving wire center. This serving wire center may or may not be a WATS Serving Office. In those instances when the serving wire center is not a WATS Serving Office Special Transport is applicable [as in 5.1.1(B)] to the nearest Telephone Company WATS Serving Office.

The Switched Access used in conjunction with the Special Access Line provides various standard switching functionalities and optional arrangements as in 4.2.5(V).

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (Cont'd)

(2) (Cont'd)

All Special Access Lines used with a Switching Interface are:

- provided with dial pulse address signaling or Dual Tone Multifrequency (DTMF) address signaling and either loop start or ground start supervisory signaling. The type of signaling is the option of the customer.
- available as either a two-wire or four-wire Voiceband Special Access Service (i.e., 300-3000 Hz bandwidth). Each transmission path is provided with Standard Transmission Specifications.

All rules and regulations pertaining to Special Access are applicable to Special Access Lines used with a Switching Interface. Rates and Charges for these services are found in 5.7.5 for two-wire and four-wire Voiceband Special Access Lines.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.1 Rate Elements (Cont'd)

(D) (Reserved for Future Use)

(E) Supplemental Features

Supplemental Features may be added to a Special Access circuit to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific facilities, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of facilities. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the Special Access circuit, including the CDL, it will be provided for as a single rate element.

Examples of Supplemental Features that are available include, but are not limited to, bridging and conditioning. Each Supplemental Feature is described in 5.4 following, and rates are set forth in 5.7 following.

(F) Multiplexing Arrangements

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at a Telephone Company designated Hub Wire Center arranged for multiplexing. All types of multiplexing may not be available at each Hub Wire Center. Refer to Section 5.6.6 for a description of Hub Wire Center. Descriptions for each type of multiplexing arrangement are provided in 5.5 following, and rates are set forth in 5.7 following.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.1 Rate Elements (Cont'd)

(G) Special Transport Termination

The Special Transport Termination rate element applies only to DS1 and DS1C service offerings. It provides the equipment and arrangements necessary to terminate the Special Transport facility at a serving wire center. One Special Transport Terminal charge applies for the termination of each end of a Special Transport facility for DS1 and DS1C services.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.2 Special Access Configurations

There are two types of facility configurations over which Special Access Service are provided - i.e., two-point and multipoint.

(A) Two-point Service

A two-point configuration is a circuit which is provided to connect two CDLs, either directly connected or through a Hub Wire Center where multiplexing functions are performed.

All Special Access offerings may be provided as a two-point configuration.

Applicable rate elements are:

- Special Access Lines
- Special Transport (when applicable)
- Special Transport Termination (when applicable)
- Supplemental Features (when applicable)
- Multiplexing Arrangements (when applicable)

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.2 Special Access Configurations (Cont'd)

(A) Two-point Service (Cont'd)

The service is provided with the supplemental feature of Type C Conditioning:

SAL - Special Access Line
ST - Special Transport
SWC - Serving Wire Center
CDL - Customer Designated Location

Applicable rate elements are:
- Special Access Line (2 applicable)
- Special Transport (per airline mile between SWCs)
- Supplemental Feature of Type C Conditioning (2 applicable)

In addition, a Special Access Surcharge, as set forth in 5.6.9 following, and a Message Station Equipment Recovery Charge, as set forth in 5.6.10 following may be applicable.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.2 Special Access Configurations (Cont'd)

(B) Multi-point Service

A multipoint configuration is a circuit that is provided to connect three or more CDLs through a Telephone Company Hub Wire Center.

Only Voiceband, Program Audio, Digital Data Service facilities, and Miscellaneous Services where so designated, will be provided as multipoint configurations. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of the multipoint facilities. A mid-link is defined as the Special Transport facilities between Hub Wire Centers where the circuit is bridged and/or where circuit switching devices, such as a loop transfer arrangement, are located.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.2 Special Access Configurations (Cont'd)

(B) Multi-point Service (Cont'd)

Multi-point Service is provided in the following manner:

(1) Special Access Line per CDL to their respective serving wire centers.

(2) Special Transport between the serving wire centers associated with the CDLs and the Hub Wire Center.

(3) Special Transport between Hub Wire Centers.

(4) Supplemental Features: Bridging equipment charges for each bridging location and other Supplemental Features when applicable.

(5) (Reserved for Future Use)

(6) Multiplexing Arrangements when applicable.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.2 Special Access Configurations (Cont'd)

(B) Multi-point Service (Cont'd)

Applicable rate elements are:
- Special Access Lines (4 applicable)
- Special Transport (5 segments, per airline between SWCs and HWCs)
- Bridging (6 applicable, one per bridge port)

SAL - Special Access Line
ST - Special Transport
SWC - Serving Wire Center
CDL - Customer Designated Location
HWC - Hub Wire Center
B - Bridging

In addition, the Special Access Surcharge, as set forth in 5.6.9 following, and the Message Station Equipment Recovery Charge, as set forth in 5.6.10 may be applicable.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.3 Special Facilities Routing

A customer may request that the facilities used to provide Special Access service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in Section 9.

#### 5.1.4 Design Layout Report

The Telephone Company will provide to the customer the makeup of the Special Access provided under this tariff to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report and will include the following:

Cable gauge, length and loading.
Makeup (e.g., T-Carrier, two-wire, four-wire, etc.)
Specific pair of circuit assignment at the customer designated location.

The Design Layout Report will be provided to the customer within fourteen working days from the ASR Date. Updated reports will be reissued within fourteen working days whenever facilities provided to the customer are materially changed. Both the initial and updated Design Layout Reports will be provided to the customer at no charge.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.5 Acceptance Testing

At the customer's request, the Telephone Company will cooperatively test, at the time of installation and at no additional charge, the following parameters:

(A) For Voiceband services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise.

When the Interface Arrangement provides a four-wire voice transmission facility and the point of termination provides two-wire voice transmission (i.e., there is a four-wire to two-wire conversion at the point of termination) balance tests are also included in acceptance testing. When performing installation and acceptance testing, the Telephone Company will test the access service within the LATA.

## 5. SPECIAL ACCESS (Cont'd)

### 5.1 General (Cont'd)

#### 5.1.5 Acceptance Testing (Cont'd)

(B) For other analog services (i.e., Program Audio, Wideband Analog, and Wideband Data Services) and for digital services (i.e., Digital Data Services and High Capacity Digital Services), acceptance testing will include tests identified in Section 5107 for the parameters applicable to the service.

When the customer requests the performance of additional cooperative tests which are not required to meet these specified performance parameters, charges as set forth in Section 6.6(B) will apply. All test results will be made available to the customer upon request.

If acceptance tests are not started within 30 minutes after pre-service tests have been completed and the customer has been notified by the Telephone Company, additional charges may apply, as set forth in Section 6.2, unless the delay is caused by the Telephone Company.

#### 5.1.6 Ordering Conditions

Ordering conditions are set forth in detail in Section 3. Also included in that section, are other charges which may be associated with ordering Special Access (e.g., Service Date Change Charges, Cancellation Charges, etc.).

## 5. SPECIAL ACCESS (Cont'd)

### 5.2 Description of Special Access

There are six generic types of Special Access offerings. They are:

- Voiceband
- Program Audio
- Wideband Analog
- Wideband Data
- High Capacity Digital
- Digital Data Service

Each type has its own characteristics, and are subdivided buy one or more of the following:

- Transmission specifications
- Bandwidth
- Speed (i.e., bit rate)
- Spectrum

The Special Access offerings described below are comprised of a combination of the rate elements described in 5.1.1 preceding. The following descriptions indicate the most effective use for each facility. Customer use for purposes other than those indicated is limited only to the extent that such use may not harm the network. Further, the Telephone Company does not guarantee transmission performance beyond the parameters identified in the descriptions.

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff.

## 5. SPECIAL ACCESS (Cont'd)

### 5.2 Description of Special Access (Cont'd)

The customer also has the option of ordering Voiceband and analog and digital high capacity facilities to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility, are set forth in 5.5 following. Additionally, the customer may specify supplemental features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the supplemental features available are set forth in 5.4 following.

For example, a customer may order a 3.152 Mbps facility from a CDL to a Telephone Company Hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voiceband or Wideband Analog (i.e., Group level) channels or may be extended to other CDLs. Optional features may be added to either the 1.544 Mbps or the Voiceband Channels.

A customer may also order high capacity facilities from an end user's CDL to a Telephone Company Hub for the purpose of originating or terminating Special Access Lines used with a Switching Interface. High capacity to voice multiplexing is required at the Hub.

## 5. SPECIAL ACCESS (Cont'd)

### 5.2 Description of Special Access (Cont'd)

#### 5.2.1 Voiceband

(A) Two-Wire Voiceband Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. They permit the simultaneous transmission of information in both directions over a circuit, but it is not possible to ensure independent information transmission in both directions. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

(B) Four-Wire Voiceband Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. When terminated four-wire, they permit simultaneous independent transmission of information in both directions over a circuit. However, when terminated two-wire, simultaneous independent transmission cannot be supported. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

#### 5.2.2 (Reserved for Future Use)

## 5. SPECIAL ACCESS (Cont'd)

### 5.2 Description of Special Access (Cont'd)

#### 5.2.3 Program Audio

These facilities are arranged and provided for the transmission of non broadcast audio which is to be used in connection with loudspeakers, wired music, closed circuit or recordings. Audio facilities are furnished for transmission in one direction. Audio facilities may be provided on a two-point or multipoint basis.

Program audio facilities are provided on either a full-time or part-time basis. The minimum periods for full-time and part-time service are set forth in Section 3.2.4. When a part-time program audio service is provided for ten or more consecutive days it will be treated as a full-time service and rated accordingly. In no event will the charge for continuous part-time program audio exceed the amount that would have been charged in the same time period for full-time program audio facilities.

Listed below are the types of Program Audio facilities that are offered under this tariff:

(A) 200 to 3500 Hz

Facilities are generally acceptable for speech quality programming and are subject to use over limited distance due to transmission factors.

(B) 100 to 5000 Hz

Facilities are generally acceptable for music and provide good quality speech programming.

## 5. SPECIAL ACCESS (Cont'd)

### 5.2 Description of Special Access (Cont'd)

#### 5.2.3 Program Audio (Cont'd)

(C) 50 to 8000 Hz

Facilities for the provision of high fidelity music transmission.

(D) 50 to l5000 Hz

Facilities for the provision of high fidelity music transmission. Two such facilities may be conditioned, at applicable charges, for stereo operation.

#### 5.2.4 Video Band

These facilities are arranged and provided for the transmission of television which is to be used other than for broadcast purposes in connection with viewing or recording. Part-time (temporary) nonbroadcast video is available and will be developed on an individual case basis. Facilities to be used in connection with broadcast video services must be ordered from the appropriate interstate tariff.

## 5. SPECIAL ACCESS (Cont'd)

### 5.2 Description of Special Access (Cont'd)

#### 5.2.5 Wideband Analog

These facilities are two point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. The three types of Wideband Analog facilities are:

(A) Group band facilities with a bandwidth from 60 Khz to 108 Khz for the transmission of a 12 circuit frequency division multiplexer (FDM) group.

(B) Supergroup band facilities with a bandwidth from 312 kHz to 552 kHz for the transmission of a 60 circuit FDM supergroup.

(C) Mastergroup band facilities with a bandwidth from 564 kHz to 3084 kHz for the transmission of a 600 circuit FDM mastergroup.

#### 5.2.6 Wideband Data Service

These analog facilities are arranged and furnished for two-point simultaneous two-way transmission of high speed data between two CDLs. These facilities are normally utilized for the following data speeds: 19.2 kbps, 50 kbps, 56 kbps and 230.4 kbps.

## 5. SPECIAL ACCESS (Cont'd)

### 5.2 Description of Special Access (Cont'd)

#### 5.2.7 High Capacity Digital

These facilities are two point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. High Capacity facilities may be used to provide Special Access Lines as set forth in 5.1.1(C)(2) preceding. A High Capacity to Voice multiplexing arrangement, as described in Section 5.5 following, is required at the Hub Wire Center.

(A) DS1 facilities provide for the transmission of isochronous serial data at a rate of 1.544 Mbps.

(B) DS1C facilities provide for the transmission of isochronous serial data at a rate of 3.152 Mbps.

(C) (Reserved for Future Use)

(D) DS3 facilities provide for the transmission of isochronous serial data at a rate of 44.736 Mbps. The Telephone Company will provide an electrical interface with the service unless otherwise specified by the customer.

(E) DS3C facilities provide for the transmission of isochronous serial data at a 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 electro-magnetic interface is provided, or unless the customer requests an electrical interface.

## 5. SPECIAL ACCESS (Cont'd)

### 5.2 Description of Special Access (Cont'd)

#### 5.2.8 Digital Data Service

Facilities for Digital Data Service are furnished for the simultaneous two-way transmission of synchronous data presently utilized for the following data speeds: 2.4 kbps, 4.8 kbps, 9.6 kbps, 56 kbps. Digital Data facilities may be provided on a two point or multipoint basis.

#### 5.2.9 (Reserved for Future Use)

#### 5.2.10 Miscellaneous Special Access Services

A description of each service provided under Miscellaneous Special Access Services, along with the rates is set forth in 5.8 following. Other Special Access rate elements may apply in addition to those found in 5.8.

## 5. SPECIAL ACCESS (Cont'd)

### 5.3 Description of Terminating Options

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.

#### 5.3.1 Narrowband

(A) 0 to 75 Baud Type 1

Provides standard open/closed 20 or 62 Ma energized interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire voiceband network facilities suitable for voice grade to narrowband multiplexing.

(B) 0 to 75 Baud Type 2

Provides two-wire or four-wire metallic interface for customer or Telephone Company energized circuits. Telephone Company energized circuits are only available in conjunction with voice grade to narrowband multiplexing. This option does not guarantee dc current operation over special transport facilities.

(C) 0 to 150 Baud

Provides standard RS-232C interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire voiceband facilities.

## 5. SPECIAL ACCESS (Cont'd)

### 5.3 Description of Terminating Options (Cont'd)

#### 5.3.2 Voice Grade

(A) 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 voiceband. Customer provided voiceband signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

(B) 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 voiceband signaling must be limited to tones in the voiceband. Customer provided voiceband signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

(C) 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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.3 Description of Terminating Options (Cont'd)

#### 5.3.2 Voice Grade (Cont'd)

(D) 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.

(E) Four-Wire Voice Grade Station Connecting Facility Termination

A terminating option similar to (D) preceding used to terminate effective four-wire foreign exchange 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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.3 Description of Terminating Options (Cont'd)

#### 5.3.2 Voice Grade (Cont'd)

(F) 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, see Section 5.4.4 following for available arrangements.

(G) 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).

(1) 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 are available described in Part 68 of the FCC Rules and Regulations. This option provides the E&M type signaling with the facility.

(2) 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 type signaling with the facility.

## 5. SPECIAL ACCESS (Cont'd)

### 5.3 Description of Terminating Options (Cont'd)

#### 5.3.3 Program Audio

(A) 200 to 3500 Hz

Provides standard program audio interface levels and impedance matching to two-wire network facilities.

(B) 100 to 5000 Hz, 50 to 8000 Hz, and 50 to 15000 Hz

Provides standard program audio interface levels, circuit equalization and impedance matching to two-wire network facilities.

#### 5.3.4 Videoband

Provides a Videoband Special Access Line interface for use in providing the one way transmission of video signals.

Standard Videoband service is provided via one signal (combined video and audio). This signal is in the 30 hz to 6.6 MHz frequency range. It includes a one-way duplexed transmission of standard 525 lines/60 fields monochrome or NTSC color video signal, and one or two associated 15 KHz audio signal.

As an option, the customer may select to receive Videoband service via two or three signals (one video and one or two audio). Under this option, the signal received will be in the 30 Hz to 4.5 MHz frequency range and the one or two audio signals will be in the 50 Hz to 15000 Hz frequency range.

## 5. SPECIAL ACCESS (Cont'd)

### 5.3 Description of Terminating Options (Cont'd)

#### 5.3.5 Wideband Data Service

(A) Provides a Wideband Data Service Special Access interface for use in providing two-way transmission of sequential synchronous or nonsynchronous data at rates of 19.2, 50 or 230.4 Kbps; or sequential synchronous bipolar data signals at a rate of 56 Kbps over four-wire facilities.

(B) (Reserved for Future Use)

#### 5.3.6 High Capacity Digital

(A) High Capacity Digital DS1

Provides a High Capacity Digital DS1 Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 1.544 Mbps over four-wire facilities.

(B) High Capacity Digital DS1C

Provides a High Capacity Digital DS1C Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 3.152 Mbps over four-wire facilities.

(C) (Reserved for Future Use)

(D) High Capacity Digital DS3

Provides a High Capacity Digital DS3C Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 44.736 Mbps over four-wire facilities.

## 5. SPECIAL ACCESS (Cont'd)

### 5.3 Description of Terminating Options (Cont'd)

#### 5.3.6 High Capacity Digital (Cont'd)

(E) High Capacity Digital DS3C

Provides a High Capacity Digital DS3C Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 89.472 Mbps over four-wire facilities.

(F) Cross Connect

A cross-connect charge will be charged on a monthly basis to recover the costs of the facilities and equipment required for the cable connection from the Telephone Company distribution frame to the central office electronic equipment owned or dedicated to the interconnector. Rates will be standard for each Telephone Company central office where an interconnector has established a multiplexing node.

Rate can be found in Section 5.7.10(C)

A Cross Connect charge will not apply when the cross connect is used in conjunction with an unbundled network element (UNE) obtained pursuant to an interconnection agreement with the Company. (N)

(N)

## 5. SPECIAL ACCESS (Cont'd)

### 5.3 Description of Terminating Options (Cont'd)

#### 5.3.7 Digital Data Service

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

### 5.4 Description of Supplemental Features

Supplemental Features are items which can be added to a Special Access 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 tariff.

#### 5.4.1 Bridging

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

(A) Multi-Point 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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.1 Bridging (Cont'd)

(B) 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.

(C) 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 tariff 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.

(D) Program Audio Bridging

An arrangement to provide multiple channel outputs from a single Program Audio or Voiceband facility. This arrangement is provided and rated on a per port basis.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.1 Bridging (Cont'd)

(E) Dataphone Select-A-Station Bridging

Provides for the connection of a master station location to a number of remote stations. The capacity of this bridging arrangement will vary from a minimum of 21 stations to a maximum of 84 stations dependent upon the mixture of four-wire and two-wire ports equipped. This arrangement is provided per AT&T Technical Reference Publication 41014. Charges consist of a rate for either common equipment-addressable or common equipment-sequential, plus a rate for each four-wire port connected or for each two-wire port connected.

(F) DDS Bridging

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

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.2 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 two types of data conditioning: Type C and Type DA. Type C conditioning controls 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.

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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.2 Conditioning Arrangements - Data (Cont'd)

(A) Type C

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

(1) Attenuation distortion with reference to l004 Hz.

(2) Envelope delay distortion.

(B) Type DA

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

(1) Signal to C-notched noise ratio.

(2) Nonlinear signal to second order distortion.

(3) Nonlinear signal to third order distortion.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.3 Conditioning - Program Audio

(A) Stereo Conditioning

Provides the option of two radio program facilities which are identical in all transmission characteristics. Two Program Audio facilities are required to provide this Supplemental Feature. This feature is normally used only with Program Audio 50 to 15000 Hz facilities. Stereo Conditioning is charged on a per occurrence basis.

(B) Zero Loss

Conditioning of Program Audio facilities to provide zero loss at 1000 Hz test frequency. Zero loss is charged on a per Special Access Line basis.

#### 5.4.4 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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.4 Signaling Arrangements (Cont'd)

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 Terminating Options in 5.3.2 preceding. 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 on 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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.4 Signaling Arrangements (Cont'd)

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 tariff:

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

(B) Conversion of Loop or E&M Signaling to SF - An arrangement to convert loop or E&M signaling to the single frequency signaling format.

(C) E&M to DX Signaling Conversion - Conversion of E&M signaling to the DX signaling format.

(D) E&M to Loop Signaling Conversion - Conversion of E&M signaling format to the loop type signaling.

(E) Loop or E&M to PCM Signaling - Conversion of loop or E&M signaling to the digital (PCM) signaling format.

(F) 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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.5 Echo Control

(A) 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 in 5.4.5(B) following.

(B) 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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.6 Improved Return Loss

Improved Return Loss provides for increased echo return and singing 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 5.7.5 following.

#### 5.4.7 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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.8 Automatic Protection Switch

Consists of the 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 tariff 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.

#### 5.4.9 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 5.7.5 following, will apply on a per SAL basis.

## 5. SPECIAL ACCESS (Cont'd)

### 5.4 Description of Supplemental Features (Cont'd)

#### 5.4.10 Improved Equal Level Echo Path Loss Option - ELEPL-2

This option provides improved 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 (send) + TLP (receive).

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in 5.7.5 following.

## 5. SPECIAL ACCESS (Cont'd)

### 5.5 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 tariff.

(A) Voice to Narrowband

An arrangement that multiplexes up to sixteen 0 to 75 baud narrowband circuits to a single voice grade circuit, or a single voice grade circuit to sixteen 0 to 75 baud narrowband circuits.

(B) 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.

## 5. SPECIAL ACCESS (Cont'd)

### 5.5 Description of Multiplexing Arrangements (Cont'd)

(C) 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.

(D) 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.

(E) 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.

(F) 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.

(G) 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.

(H) (Reserved for Future Use)

## 5. SPECIAL ACCESS (Cont'd)

### 5.5 Description of Multiplexing Arrangements (Cont'd)

(I) DS3 to DS1

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.

(J) 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.

(K) 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 1.544 Mbps to two wideband analog groupband circuits.

(L) Digital Data Carrier Multiplexer

An arrangement that multiplexes twenty-three 64 kbps digital circuits for connection to either subrate data multiplexers as described in 5.5(M) following or 56 kbps office channel units as described in 5.5(N) following, to a single DS1 1.544 Mbps digital circuit. This arrangement consists of a charge for the basic multiplexer and a charge for each 64 kbps digital circuit equipped and connected.

## 5. SPECIAL ACCESS (Cont'd)

### 5.5 Description of Multiplexing Arrangements (Cont'd)

(M) 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 64 kbps digital circuit: 1) twenty 2.4 kbps, 2) ten 4.8 kbps or 3) five 9.6 kbps. In turn, the 64 Kbps digital circuits then multiplexed to a single DS1 digital circuit using the Digital Data Carrier Multiplexer described in 5.5(L) preceding.

(N) Digital Data Office Channel Unit

An arrangement that provides a metallic facility interface for the subrate digital data multiplexer for digital rates of 2.4, 4.8, and 9.6 kbps or for the digital data carrier multiplexer at a digital rate of 56 kbps. One Digital Data Office Channel Unit applies per Special Access Line so terminated.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations

This section contains specific regulations governing the rates and charges that apply for Special Access Service.

#### 5.6.1 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are recurring charges that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

(B) Daily Rates

Daily rates are recurring charges that apply to each 24 hour period or fraction thereof that a part-time Program Audio Special Access Service is provided. This 24 hour period is not limited to a calendar day. When part-time Program Audio service is provided for ten or more consecutive days, it will be treated as a full-time service and monthly rates will apply. In no event will the charges for continuous part-time Program Audio service exceed the amount that would be charged in the same time period for full-time service.

(C) (Reserved for Future Use)

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges

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

(1) Special Access Ordering Charges

Special Access Ordering Charges are associated with the work performed by the Telephone Company in connection with the receiving, recording and processing of customer service requests. There are two types of service ordering charges.

(a) Initial Ordering Charge - Special Access

This charge applies on a per Access Service Request (ASR) basis including those requests to add additional terminations to an existing service.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(1) Special Access Ordering Charges (Cont'd)

(b) Subsequent Ordering Charge - Special Access

This charge applies on a per ASR basis for modifications to an existing service. This would include activities such as:

- Additions of supplemental features and multiplexing arrangements.
- Changes in the type of transport rate option from Switched Transport to Special Transport for FGA and FGB Switched Access Service as described in Section 4.1.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(2) Service Installation Charge

The Service Installation Charge is associated with the work performed by the Telephone Company in connection with the physical installation activities involving central office and/or outside plant facilities. This charge applies on a per SAL basis for the installation of service, and for additional terminations to existing service.

This charge does not apply to installations involving DS1 SAL's. The installation charge for these services are set forth in 5.6.1(D)(5) following. In addition, this charge will not apply to part-time Program Audio SALs which are left in place and reused.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(3) Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to a pending ASR for Special Access Service which requires engineering review. Design changes include such things as the addition or deletion of supplemental features or changes in the terminating options. Design changes do not include a change of IC CDL, end user premises or Special Access service type (e.g., 2-wire to 4-wire Voiceband or Voiceband to Program Audio, etc.). Changes of this nature will require the issuance of a new ASR and the cancellation of the original ASR. The cancellation charges apply as set forth in Section 3.2.6.

The Telephone Company will review the requested change, notify the customer whether the change can be accommodated and specify if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply.

The Design Change Charge, as set forth in Section 12.7.1 will apply on a per ASR per occurrence basis, for each ASR requiring a design change.

If a change of service date is required, the Service Date Change Charge as set forth in Section 3 will also apply.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(4) Installation of Supplemental Features and Multiplexing Arrangements

Nonrecurring charges apply for the installation of supplemental features and multiplexing arrangements available with Special Access service. The charge applies whether the feature or multiplexing arrangement is installed coincident with the initial installation of service or at any time subsequent to the installation of service. These charges are in addition to the appropriate Special Access Ordering Charge as set forth in 5.6.1(D)(1) preceding.

(5) Installation of DS1 Special Access Lines

There are two levels of charges for the installation of DS1 SAL as set forth in 5.7.10(A). The "First System" charge is assessed for the first DS1 Special Access Line ordered by a customer. When the same customer requests additional DS1 Special Access Lines on the same ASR, to be installed at the same time and at the same location, the lesser charge under "Additional System" will apply. In addition to these charges, the appropriate Special Access Ordering Charge set forth in 5.6.1(D)(1) preceding will apply.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(6) Installation of Temporary Videoband Service

Temporary Videoband Service is available with rates developed on an Individual Case Basis as set forth in 5.7.14 following.

(7) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or involve an actual physical change to the service. Changes to pending orders are set forth in Section 3.2.2.

Changes in the type of service will be treated as a discontinuance of the service and an installation of a new service.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as set forth in 5.6.4 following.

Changes in ownership or transfer of responsibility from one customer to another requires the discontinuance of service and the start of a new service. The Initial Ordering Charge - Special Access and any appropriate Minimum Period Charges will apply per service, per change.

**5. SPECIAL ACCESS (Cont'd)**

**5.6 Rate Regulations (Cont'd)**

**5.6.1 Types of Rates and Charges (Cont'd)**

(D) Nonrecurring Charges (Cont'd)

(7) Service Rearrangements (Cont'd)

For a change in jurisdiction involving no physical changes to the service provided, the Initial Ordering Charge - Special Access will apply per service, per change.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Special Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change name, same customer (i.e., the customer of record does not change but rather the customer of record changes its name),
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of agency authorization.
- Change in jurisdiction involving no physical changes to the service.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(7) Service Rearrangements (Cont'd)

All other service rearrangements will be charged for as follows:

- If the change involves the addition of another termination to an existing multipoint service, the Initial Ordering Charge - Special Access will apply plus the Service Installation charge for each location added.

- If the change involves the addition of supplemental feature or multiplexing arrangement, the Subsequent Ordering Charge - Special Access will apply plus the installation charge associated with the supplemental feature or arrangement.

- If the change involves changing the type network interface only, with no change in facility, the Subsequent Ordering Charge - Special Access will apply plus an amount equal to one half of the Service Installation charge for each location changed.

**5. SPECIAL ACCESS (Cont'd)**

**5.6 Rate Regulations (Cont'd)**

**5.6.1 Types of Rates and Charges (Cont'd)**

(D) Nonrecurring Charges (Cont'd)

(7) Service Rearrangements (Cont'd)

- If the change involves changing a two-wire service to a four-wire service or vice versa, the Subsequent Ordering Charge - Special Access will apply plus the Service Installation charge for each location changed.

- If the change involves the retermination of an existing circuit within the wire center only, in association with the installation of high capacity facilities and/or multiplexing arrangements, the Subsequent Ordering Charge - Special Access will apply plus an amount equal to one half the Service Installation charge.

- If the change involves the retermination of an existing circuit within a wire center and a change in the facilities involved (i.e., reroute), in association with the installation of high capacity facilities and/or multiplexing arrangements, the Subsequent Ordering Charge - Special Access will apply plus the Service Installation charge for the location involved.

- In cases where multiple service rearrangements or an additional termination or a move and a service rearrangement are requested on a single ASR, the total charge will never exceed the full nonrecurring charge for the basic service.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.1 Types of Rates and Charges (Cont'd)

(E) (Reserved for Future Use)

(F) (Reserved for Future Use

(G) (Reserved for Future Use)

#### 5.6.2 Minimum Periods

Special Access is provided for a specified minimum period. Minimum periods and minimum period charges are described in detail in Section 3.

#### 5.6.3 Mileage Measurement

The mileage to be used to determine the monthly rate for the Special Transport is calculated on the airline distance between the serving wire centers involved (i.e., CDL serving wire center or Hub Wire Center or WATS Serving Office). Where the calculated miles include a fraction, the value is always rounded up to the next full mile. Where the calculated value is zero, no Special Transport mileage is charged.

When there is a Hub Wire Center involved, the Special Transport mileage will be measured from the Hub Wire Center to the serving wire centers of each of the CDLs connected to the hubbed facilities. Mileage is computed for each section and rates are applied accordingly. However, when a Special Access facility is routed through a Hub Wire Center for purposes other than customer specified such as bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the wire centers serving the CDLs.

The rates for the mileage are applied per airline mile. The serving wire center V&H coordinates and the method of calculation is specified in the NECA tariff FCC No. 4.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.4 Moves

A move involves a change in the physical location of the point of termination of Special Access. The charge for the move depends on whether the move is within the same CDL or to a different CDL.

(A) Same CDL (GSEC) NASALMSB

When the move is to a new point within the same CDL, the charge for the move will be the Subsequent Ordering Charge - Special Access plus an amount equal to one half the Service Installation charge for the service termination affected. There will be no change in the minimum period requirements.

(B) Different CDL

When the move is to a different CDL, it will be treated as a disconnect and an installation of service. The Initial Ordering Charge - Special Access will apply plus the Service Installation charge for the service termination(s) affected. A new minimum period will also be established for the installed Special Access Service. The customer will remain responsible for all minimum period charges associated with the disconnected Special Access Service.

A move normally involves an interruption of Special Access for the period required to complete the move. No credit allowance will be granted for that period.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.4 Moves (Cont'd)

A customer may request that Special Access not be interrupted during a move. To comply with that request, it may be necessary to install a duplicate Special Access, and subsequently discontinue the existing Special Access. Charges, monthly and nonrecurring will apply for the duplicate Special Access. A new minimum period will be established for the duplicate portion of the Special Access, depending on which end of the Special Access is moved. The customer will also remain responsible for all minimum period charges associated with the corresponding portion of the disconnected Special Access.

#### 5.6.5 Rates and Charges on an Individual Case Basis

(A) The monthly rates and nonrecurring charges for the following service offerings will be developed on an Individual Case Basis:

- Part-time Videoband Facilities
- Full-time Videoband Facilities
- Wideband Analog - Group Band Facilities
- Wideband Analog - Supergroup Band Facilities
- Wideband Analog - Mastergroup Band Facilities
- Wideband Data Facilities
- High Capacity Digital DS1C (3.152 Mbps) Special Access Lines
- High Capacity Digital DS1C (3.152 Mbps) Special Transport
- High Capacity Digital DS3 (44.736 Mbps) Facilities
- High Capacity Digital DS3C (89.472 Mbps) Facilities

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.5 Rates and Charges on an Individual Case Basis (Cont'd)

(B) The monthly rates and nonrecurring charges for the following Multiplexing Arrangements will be developed on an Individual Case Basis:

Group to Voice
Supergroup to Group
Mastergroup to Supergroup
DS1C to Voice
DS1C to DS1
DS3 to DS1
DS3C to DS1
Group to DS1

(C) The monthly rates and nonrecurring charges for the following Supplemental Features will be developed on an Individual Case Basis:

Dataphone Select-a-Station Bridging Common Equipment - Addressable

Dataphone Select-a-Station Bridging - Each Four-Wire Port

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.6 Hub Wire Centers

A Hub Wire Center is a Telephone Company designated serving wire center at which bridging or multiplexing arrangements are provided. Bridging is used to connect three or more CDLs in a multipoint arrangement. The multiplexing arrangements channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Although Hub Wire Centers are defined as serving wire centers at which bridging or multiplexing arrangements are performed, they are not limited to providing these functions and may provide any other types of Special Access services offered in this Tariff. For example, the Telephone Company will designate certain Hub Wire Centers for Program Audio service offerings.

The Telephone Company will designate the Hub Wire Center locations. Different locations may be designated as Hub Wire Centers for different functions, such as bridging or multiplexing arrangements, for different facility capacities (e.g., multiplexing from digital to digital may occur at one wire center while multiplexing from digital to analog may occur at a different wire center). The location of Hub Wire Centers and the types of hubbing functions offered at that location are identified in the NECA Tariff FCC No. 4.

Some of the types of multiplexing provided include the following:

- from higher to lower bit rate,
- from higher to lower bandwidth,
- from digital to voice grade service.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.6 Hub Wire Centers (Cont'd)

The transmission performance for the end to end Special Access provided from CDLs will be that of the lower capacity or bit rate. For example, when a DS1 Special Access is multiplexed to voice frequency circuits, the transmission performance will be Voiceband, not High Capacity.

The Telephone Company will commence billing the monthly rate for the Special Access Line and Special Transport for the High Capacity facility to the Hub Wire Center as of the service date, even though individual services utilizing those facilities may not be installed until a later date. If the customer has designated the type of multiplexing to be provided with the High Capacity facility, the nonrecurring charge for the Multiplexing Arrangement will be billed to the customer at that same time, and the billing for the monthly rate will begin.

Individual Special Access rates (by Special Access type) will apply for the Special Access Line and additional Special Transport facilities (if required) for each channelized Special Access. These will be billed to the customer as each individual Special Access is installed.

A customer may order full-time and/or part-time Program Audio Services between two CDLs, or between a CDL and a Hub Wire Center, and will be billed accordingly at the rates set forth in Sections 5.7.6, 5.7.7, 5.7.8, and 5.7.9 following.

At the request of the customer, the full-time and/or part-time services provided to a Hub Wire Center may be connected together in the following configurations: full-time to full-time, full-time to part-time, or part-time to part-time.

The rates that apply for Program Audio Services between each CDL and the Hub Wire Center are Special Transport, if applicable, and Special Access Line. In addition, rates for Supplemental Features and Inside Wiring may be applicable.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.7 Shared Use Analog and Digital High Capacity Services

(A) Shared use refers to the service arrangement where the customer orders a digital high capacity facility between a CDL and the Hub Wire Center where the Telephone Company performs multiplexing functions and the same customer then orders the derived channels as Special and Switched Access services.

The High Capacity facility including the associated multiplexing arrangements will be ordered, provided and rated as Special Access service. The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charges associated with the High Capacity facility. When the same customer orders derived channels as Switched or Special, the nonrecurring charges applicable to those individual services will be assessed. There will be no additional nonrecurring charges assessed for the High Capacity facility at the time the derived channels are ordered.

The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.7 Shared Use Analog and Digital High Capacity Services (Cont'd)

(A) (Cont'd)

Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access service, the Special Access rates will be reduced accordingly (e.g., 1/24th for a DS1 service, 1/24th for a DS1 to Voice multiplexing arrangement, etc.). Switched Access Service rates and charges, as set forth in Section 4 preceding, will apply for each channel of the shared use facility that is used to provide a Switched Access Service. The Switched Access Minimum Capacity Requirements as set forth in Section 3.5 will not apply.

(B) When Special Access Service is provided utilizing a channel of the shared use facility to a hub, High Capacity rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the CDL. The rates and charges that will apply to the portion from the hub to the CDL will be dependent on the specific type of Special Access Service that is provided (e.g., Voiceband). The applicable rates and charges will include a Special Access Line and Special Transport, if applicable. Rates and charges for optional features associated with the service will also apply.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.8 Temporary Videoband Service

The rates and charges for use of facilities for Temporary Videoband Service are assessed on a per hop basis. A hop is defined as the transporting of a one-way video and associated audio signal(s) in a direct path from a transmitter location to the adjacent receiver location. The distance of a single hop is primarily a factor of the local geographics of the video path, therefore, more than one hop may be required between CDLs. The following diagram depicts a single hop.

There are two separate rate categories for a hop which are based on the provisioning of service:

- Video broadcasts which use permanent facilities, and

- Video broadcasts which use nonpermanent facilities.

(A) Use of Permanent facilities for Temporary Video Broadcast

Permanent facilities are those in-place facilities that are not removed at the end of a broadcast.

The rates and charges for services provided over permanent facilities are developed on an Individual Case Basis.

The Telephone Company does not contemplate constructing permanent facilities to provision future requests for temporary videoband service. However, in the event that a customer requests this type of provisioning, the Telephone Company will provide such facilities under Section 14, Special Construction. Accordingly, such facilities are deemed to be provided for the sole use of that customer and no other future use of those facilities is planned or expected by the Telephone Company.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.8 Temporary Videoband Service (Cont'd)

(B) Use of Nonpermanent Facilities for Temporary Video Broadcast

Nonpermanent facilities consist of portable microwave equipment (e.g., transmitter, receiver, antenna, connecting cables and associated equipment) which is set up for the broadcast and subsequently removed after the broadcast.

The rates and charges for services provided over nonpermanent facilities are developed on an Individual Case Basis. The Technician Standby charge will apply to the time the Videoband Service is provided.

(C) Joint Provisioning of Service

Where more than one Telephone Company is involved in the provisioning of a Temporary Videoband Service, such jointly provided facilities are subject to the rules and regulations outlined in Section 3.3.1 (Single Company and Multiple Company Billing).

The Technician Standby charge will be applied to the time the service is provided in either a multiple company billing or a single company billing application.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.9 Special Access Surcharge

Pending the development of techniques to accurately measure usage of local facilities which are interconnected by users by means of intrastate or foreign telecommunications, a surcharge of $25.00 per service per month (GSEC: ASAL SCHG) will be assessed to a two point Special Access Service, and to each additional Special Access Line when the service is configured as multipoint. The Special Access Surcharge will also be assessed upon Wideband Analog and High Capacity Digital Services on a voice equivalent basis. The voice equivalency for these type services is as follows:

- High Capacity DS1 equates to 24 Voiceband Facilities
- High Capacity DS1C equates to 48 Voiceband Facilities
- High Capacity DS3 equates to 672 Voiceband Facilities
- High Capacity DS3C equates to 1344 Voiceband Facilities
- Wideband Group equates to 12 Voiceband Facilities
- Wideband Supergroup equates to 60 Voiceband Facilities
- Wideband Mastergroup equates to 600 Voiceband Facilities

The Special Access Service will be exempted from the monthly surcharge if the customer provides the Telephone Company written certification that the termination is one of the following:

(1) The open end termination (dial tone end) of a Foreign Central Office Line, Common Control Switching Arrangement (or equivalent) or Off Network Access Line (ONAL).

(2) Any termination of an analog circuit used for radio or television program transmission.

(3) Any termination of a line used for telex service.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.9 Special Access Surcharge (Cont'd)

(4) Any termination of a line by nature of its operating characteristics and nature of connection could not make use of common lines.

(5) Any line termination, other than (1) through (4) preceding, which is subject to the following charges: (a) Carrier Common Line, (b) Common Line Termination, (c) End Office Switching, (d) Intercept and (e) Switched Transport.

(6) A termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the Special Access Service to the local network. If the PBX or other device has been configured either through software programming or physical restrictions not to access the local network, then the customer may file the surcharge exemption for the Special Access Service terminating on this equipment.

In order for the Telephone Company to determine the application of the surcharge with respect to specific services, the customer must report the intended use of all services when placing ASRs for Special Access Service. In addition, when ordering High Capacity Analog or Digital services, the customer must report the use for each voice equivalent circuit of the high capacity service. When any circuit is reported wholly used in any manner described in (1) through (6) preceding, the surcharge will not apply. If the intended use is not reported, the surcharge will apply.

If, at any time after the installation of a service which is subject to the surcharge, the customer reports that the service is being used consistently with any exception listed above, the Telephone Company will credit the customer for the surcharge. Credit will not be give beyond the receipt date of the certification for exemption.

## 5. SPECIAL ACCESS (Cont'd)

### 5.6 Rate Regulations (Cont'd)

#### 5.6.10 Message Station Equipment Recovery Charge

Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment which is assigned to Special Access Service.

In accordance with CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed on those equivalent lines subject to the Special Access Surcharge as set forth in 5.6.9 preceding. The rate for the Message Station Equipment Recovery Charge is set forth in Section 5.7.2 following.

#### 5.6.11 (Reserved for Future Use)

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges *

#### 5.7.1 Nonrecurring Charges

| | | GSEC | Nonrecurring Charge |
|---|---|---|---|
| (A) | Special Access Ordering Charges | | |
| (1) | Initial Ordering Charge - Special Access Per ASR | NAIOCSP | $115.59 |
| (2) | Subsequent Ordering Charge - Special Access, Per ASR | NASOCSP | 85.37 |
| (B) | Service Installation Charge, per SAL | NASICSP | 216.97 |
| (C) | Design Change Charge, per ASR per Occurrence | NADCCSP | 111.92 |
| (D) | Temporary Videoband Service | ICB | |

| | GSEC | Monthly Rate |
|---|---|---|
| **5.7.2 Message Station Equipment Recovery Charges** | AMSER | $ .00 |

**5.7.3 (Reserved for Future Use)**

**5.7.4 (Reserved for Future Use)**

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.5 Voiceband Facilities

(A) Standard Arrangements

| | | GSEC | Monthly Rate |
|---|---|---|---|
| (1) | Special Transport - Per Airline Mile | ANVP ST2 | 23.27 |
| | | ANV ST4 | 23.27 |
| | | AWT ST | 23.27 |
| (2) | Special Access Line | | |
| | Two-Wire | ANVP AC2 | 13.11 |
| | | ANVP SAL2 | 13.11 |
| | | AWT SAL2 | 13.11 |
| | Four-Wire | ANV SAL4 | 20.97 |
| | | ANV AC4 | 20.97 |
| | | AWT SAL4 | 20.97 |
| (3) | (Reserved for Future Use) | | |

(B) Optional Arrangements
Supplemental Features

| | | GSEC | Monthly Charge | GSEC | Nonrecurring Rate |
|---|---|---|---|---|---|
| (1) | Multi-point Data Bridging, Per Port | NAVMDBI | $ 90.66 | AV MDB | $4.18 |
| (2) | Voice Conference Bridging, Per Port | NAVVCBI | 113.32 | AV VCB | 2.92 |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.5 Voiceband Facilities (Cont'd)

(B) Optional Arrangements Supplemental Features (Cont'd)

(3) Alarm Distribution Bridging

| | GSEC | Monthly Charge | GSEC | Nonrecurring Rate |
|---|---|---|---|---|
| (a) Common Equipment | NAVADBCEI | $126.76 | AV ADBCE | $13.71 |
| (b) Per Two-Wire Port | NAVADB2PI | 58.06 | AV ADB2P | 1.39 |

(4) Conditioning Arrangements - Data

| | | | | |
|---|---|---|---|---|
| (a) Type C, Per SAL arranged | NAVCCI | 97.83 | AV CC | .80 |
| (b) Type DA, Per SAL arranged | NAVCDAI | 84.91 | AV CDA | .75 |

(5) Signaling Arrangements, Per SAL

| | | | | |
|---|---|---|---|---|
| (a) Loop Signaling Range Extension | NAVLSREI | 90.66 | AV LSRE | 3.19 |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.5 Voiceband Facilities (Cont'd)

(B) Optional Arrangements Supplemental Features (Cont'd)

(5) Signaling Arrangements, Per SAL (Cont'd)

| | | GSEC | Monthly Charge | GSEC | Nonrecurring Rate |
|---|---|---|---|---|---|
| (b) | Loop or E&M to SF | NAVLEM/SFI | $105.91 | AV LEM/SF | $ 8.33 |
| (c) | E&M to DX | NAVEM/DXI | 104.58 | AV EM/DX | 5.52 |
| (d) | E&M to Loop | NAVEM/LI | 94.06 | AV EM/L | 3.31 |
| (e) | Loop or E&M to PCM | NAVLEM/PI | 28.66 | AV LEM/P | 1.89 |
| (f) | Automatic Ringdown | NAVARI | 99.15 | AV AR | 5.17 |

(6) Echo Control, per circuit

| | | | | | |
|---|---|---|---|---|---|
| (a) | Echo Suppression | NAVECESI | 160.27 | AV ECES | 10.69 |
| (b) | Echo Canceller | NAVECECI | 212.56 | AV ECEC | 18.84 |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.5 Voiceband Facilities (Cont'd)

(B) Optional Arrangements Supplemental Features (Cont'd)

| | | GSEC | Monthly Charge | GSEC | Nonrecurring Rate |
|---|---|---|---|---|---|
| (7) | Voiceband Facility Switching Arrangement | NAVVGSAI | $107.98 | AV VGSA | $ 2.61 |
| (8) | Dataphone Select-A-Station Bridging Common Equipment | | | | |
| | (a) Addressable | ** | | ** | |
| | (b) Sequential | NAVDSBCESI | 2,279.09 | AV DSBCES | 95.34 |
| (9) | Dataphone Select-A-Station Bridging | | | | |
| | (a) Each Two-Wire Port Connected | NAVDSB2PI | 42.12 | AV DSB2 | 2.09 |
| | (b) Each Four-Wire Port Connected | ** | | ** | |
| (10) | Improved Return Loss, Per SAL | NAIRL | 75.92 | AIRL | 4.01 |
| (11) | Improved Termination Option, Per SAL | NAITO | 122.24 | AITO | 12.07 |
| (12) | Improved ELEPL, Per SAL | NAIELEPLO | 75.92 | AIELEPO | 4.01 |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

** This Service now offered as ICB in Section 5.6.5.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.6 Program Audio (200 - 3500 Hz) Facilities

(A) Standard Arrangements

| | | GSEC | Monthly Charge | GSEC | Nonrecurring Rate |
|---|---|---|---|---|---|
| (1) | Special Transport - Per Airline Mile | AP35 STM | $23.09 | AP35 STD | $2.31 |
| (2) | Special Access Line | AP35 SALM | 13.01 | AP35 SALD | 1.30 |
| | | AP35 ACM | 13.01 | AP35 ACD | 1.30 |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.6 Program Audio (200 - 3500 Hz) Facilities (Cont'd)

(B) Optional Arrangements Supplemental Features

| | | GSEC | Monthly Rate | GSEC | Daily Rate |
|---|---|---|---|---|---|
| (1) | Program Audio Bridging, Per | AP B | $ .60 | AP BD | $.06 |
| | Nonrecurring Charge | NAP BI | 14.05 | | |
| (2) | Conditioning - Program Audio - Zero Loss, Per SAL arranged | AP CZL | $ 1.84 | AP CZLD | $.18 |
| | Nonrecurring Charge, Per SAL arranged | NAPCZLI | 11.81 | | |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.7 Program Audio (100-5000 Hz) Facilities

(A) Standard Arrangements

| | | GSEC | Monthly Rate | GSEC | Daily Rate |
|---|---|---|---|---|---|
| (1) | Special Transport - Per Airline Mile | AP50 STM | $34.64 | AP50 STD | $3.46 |
| (2) | Special Access Line | AP50 SALM | 23.72 | AP50 SALD | 2.37 |
| | | AP50 ACM | 23.72 | AP50 ACD | 2.37 |

(B) Optional Arrangements Supplemental Features

| | | GSEC | Monthly Rate | GSEC | Daily Rate |
|---|---|---|---|---|---|
| (1) | Program Audio Bridging, Per Port | AP B | $ .60 | AP BD | $.06 |
| | Nonrecurring Charge | NAP BI | 14.05 | | |
| (2) | Conditioning - Program Audio - Zero Loss, Per SAL arranged | AP CZL | $ 1.84 | AP CZLD | $.18 |
| | Nonrecurring Charge, Per Sal arranged | NAPCZLI | 11.81 | | |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.8 Program Audio (50-8000 Hz) Facilities

(A) Standard Arrangements

| | | GSEC | Monthly Rate | GSEC | Daily Rate |
|---|---|---|---|---|---|
| (1) | Special Transport - Per Airline Mile | AP80 STM | $46.19 | AP80 STD | $4.61 |
| (2) | Special Access Line | AP80 SALM | 24.52 | AP80 SALD | 2.46 |
| | | AP80 ACM | 24.52 | AP80 ACD | 2.46 |

(B) Optional Arrangements
Supplemental Features

| | | GSEC | Monthly Rate | GSEC | Daily Rate |
|---|---|---|---|---|---|
| (1) | Program Audio Bridging, Per Port | AP B | $ .60 | AP BD | $ .06 |
| | Nonrecurring Charge | NAP BI | 14.05 | | |
| (2) | Conditioning - Program Audio - Zero Loss, Per SAL arranged | AP CZL | $ 1.84 | AP CZL | $ .18 |
| | Nonrecurring Charge, Per Sal arranged | NAPCZLI | 11.81 | | |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.9 Program Audio (50-15000 Hz) Facilities

(A) Standard Arrangements

| | | GSEC | Monthly Rate | GSEC | Daily Rate |
|---|---|---|---|---|---|
| (1) | Special Transport - Per Airline Mile | AP150 STM | $69.28 | AP150 STD | $6.93 |
| (2) | Special Access Line | AP150 SALM | 26.80 | AP150 SALD | 2.67 |
| | | AP150 ACM | 26.80 | AP150 ACD | 2.67 |

(B) Optional Arrangements
Supplemental Features

| | | GSEC | Monthly Rate | GSEC | Daily Rate |
|---|---|---|---|---|---|
| (1) | Program Audio Bridging, Per Port | AP B | $ .60 | AP BD | $ .06 |
| | Nonrecurring Charge | NAP BI | 14.05 | | |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.9 Program Audio (50 - 15000 Hz) Facilities (Cont'd)

(B) Optional Arrangements Supplemental Features (Cont'd)

| | | GSEC | Monthly Rate | GSEC | Daily Rate |
|---|---|---|---|---|---|
| (2) | Conditioning - Program Audio - Stereo Conditioning, Per Occurrence | AP150 CS | $ .34 | AP150 CSD | $ .03 |
| | Nonrecurring Charge | NAP150CSI | 38.04 | | |

| | | GSEC | Monthly Rate | GSEC | Daily Rate |
|---|---|---|---|---|---|
| (3) | Conditioning - Program Audio - Zero Loss, Per SAL arranged | AP CZL | $ 1.84 | AP CZLD | $ .18 |
| | Nonrecurring Charge, Per SAL arranged | NAPCZLI | 11.81 | | |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.10 High Capacity Digital (1.544 Mbsp) Facilities

(A) Standard Arrangements

| | | GSEC | Non-Recurring Rate | GSEC | Monthly Rate |
|---|---|---|---|---|---|
| (1) | Special Access Line | | | | |
| | First System | NAHCD1SALF | $1,969.16 | | |
| | | | | AHCD1 SAL | $233.54 |
| | | NAHCD1 ACF | $1,969.16 | AHCD1 AC | $233.54 |
| | Each Additional System | NAHCD1 SALA | $60.12 | AHCD1 SALA | $111.13 |
| | | NAHCD1 ACA | $60.12 | AHCD1 ACA | $111.13 |
| (2) | Special Transport - Termination | - | - | AHCD1 STT | $13.70 |
| (3) | Special Transport - Per Airline Mile | - | - | AHCD1 ST | $36.71 |

(B) Optional Arrangements
Supplemental Features

| | | | | | |
|---|---|---|---|---|---|
| (1) | Automatic Protection Switching | NAHCD1APSI | $641.35 | AHCD1 APS | $50.67 |

(C) Cross Connect (N)

| | | |
|---|---|---|
| (1) | per each interconnect type | |
| | 1.5 Mbps connection | $10.00 |
| | 45 Mbps connection | |

(N)

#### 5.7.11 High Capacity Digital DS1C (3.152 Mbsp) Facilities **

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

** This Service now offered as ICB in Section 5.6.12.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.12 (Reserved for Future Use)

#### 5.7.13 (Reserved for Future Use)

| | Via Permanent Facilities | Via Nonpermanent Facilities |
|---|---|---|

#### 5.7.14 Temporary Videoband Facilities

| | | |
|---|---|---|
| | *** | ** |

#### 5.7.15 Digital Data Service Facilities

(A) Standard Arrangements

| | | GSEC | Monthly Rate |
|---|---|---|---|
| (1) | Special Transport - Per Airline Mile | ADD ST | $ 37.55 |
| (2) | Special Access Line | ADD SAL | 58.59 |
| | | ADD AC | 58.59 |
| (3) | (Reserved for Future Use) | | |

(B) Optional Arrangements Supplemental Features

| | | GSEC | Monthly Charge | GSEC | Nonrecurring Rate |
|---|---|---|---|---|---|
| (1) | DDS Bridging Per Port | NADDBI | $ 15.68 | ADD B | $ 6.64 |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

** This Service now offered as ICB in Section 5.6.5.

*** Provisioned as set forth in accordance with Special Construction in Section 10.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.16 Multiplexing Arrangements

| | | GSEC | Nonrecurring Charge | GSEC | Monthly Rate |
|---|---|---|---|---|---|
| (A) | Voice to Narrowband | NAV/NI | 5,910.99 | AV/N | 247.18 |
| (B) | DS1 to Voice | NADS1/VI | 1,743.80 | ADS1/V | 121.13 |
| (C) | DS1C to Voice | ** | ** | | |
| (D) | DS1C to DS1 | ** | ** | | |
| (E) | Digital Data Carrier Multiplexer | | | | |
| | (1) Common Equipment | NADDCMCEI | 1,331.80 | ADDCMCE | 103.67 |
| | (2) Each 64 kbps Per Port | NADDCMPI | 87.06 | ADDCMP | 8.54 |

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

** This Service now offered as ICB in Section 5.6.5.

*** Provisioned as set forth in accordance with Special Construction in Section 10.

## 5. SPECIAL ACCESS (Cont'd)

### 5.7 Rates and Charges * (Cont'd)

#### 5.7.16 Multiplexing Arrangements (Cont'd)

| | | | Nonrecurring | | Monthly |
|---|---|---|---|---|---|
| | | GSEC | Rate | GSEC | Rate |
| (F) | Digital Data Subrate Multiplexer | | | | |
| (1) | One 64 kbps to Twenty 2.4 kbps | NADDSM/20I | $931.80 | ADDSM/20 | $83.12 |
| (2) | One kbps to Ten 4.8 kbps | NADDSM/10I | 854.40 | ADDSM/10 | 62.91 |
| (3) | One 64 kbps to Five 9.6 kbps | NADDSM/5I | 728.92 | ADDSM/5 | 55.94 |
| (G) | Digital Data Office Channel Unit, Per SAL | | | | |
| (1) | 2.4 kbps | NADDCO24I | 90.32 | ADDOC24 | 12.40 |
| (2) | 4.8 kbps | NADDOC48I | 90.32 | ADDOC48 | 12.60 |
| (3) | 9.6 kbps | NADDOC96I | 90.32 | ADDOC96 | 12.81 |
| (4) | 56 kbps | NADDOC56I | 90.32 | ADDOC56 | 18.76 |

#### 5.7.17 (Reserved for Future Use)

### 5.8 Miscellaneous Special Access Services

#### 5.8.1 (Reserved for Future Use)

### 5.9 (Reserved for Future Use)

* Rates and charges are applicable for the Citizens Minnesota exchanges of Adams, Alden, Bigelow, Kiester, Leroy and Lyle only.

# 6. MISCELLANEOUS SERVICES

## 6.1 General

Miscellaneous Services available to the customer include the following:

(A) Additional Labor (i.e., Overtime Installation, Overtime Repair, Additional Installation Testing, Standby, Testing and Maintenance with Other Telephone Companies)
(B) Maintenance of Service
(C) Telecommunications Service Priority (TSP) System
(D) Balloting and Allocation Process For Equal Access
(E) Additional Testing
(F) Provision of FIA Billing Information
(G) End User List
(H) Billing Name and Address Service

These services are described in detail as set forth in 6.2 through 6.9 following.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.2 Additional Labor

Additional Labor is that labor requested by the customer on a given FIA and agreed to by the Telephone Company as set forth in (A) through (E) following. The Telephone Company will notify the customer that Additional Labor charges as set forth in (G) following will apply before any Additional Labor is undertaken. Additional Labor charges will also apply if the requirement for the Additional Labor is the fault of the customer or parties on whose behalf it acts.

(A) Overtime Installation

Overtime installation is that Telephone Company installation effort outside the business day. Overtime rates will apply anytime outside the business day and all day Saturday. Premium time rates will apply all day Sunday and on all Telephone Company approved holidays. For applicable holidays, contact the telephone company.

(B) Overtime Repair

Overtime repair is that Telephone Company maintenance effort performed outside the business day. Overtime rates will apply anytime outside the business day and all day Saturday. Premium time rates will apply all day Sunday and on all Telephone Company approved holidays.

(C) Additional Installation Testing

Additional installation testing is that testing performed by the Telephone Company at the time of installation which is in addition to normal pre-service and acceptance testing.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.2 Additional Labor (Cont'd)

(D) Standby

Standby includes all time in excess of one-half (1/2) hour during which Telephone Company personnel are available to make coordinated tests on a given FIA. The standby charge applies only when Telephone Company personnel must wait more than 30 minutes beyond a prearranged, mutually agreed appointment time. Standby charges will cease when testing begins, or when Telephone Company personnel are released from the standby requirement, or when testing is rescheduled for a later date or time. Charges will not be applicable if Telephone Company personnel cause the delay.

(E) Testing and Maintenance with Other Telephone Companies

Additional testing, maintenance, or repair of facilities which connect to facilities of other telephone companies, which is in addition to normal effort required to test, maintain, or repair facilities provided solely by the Telephone Company.

(F) (Reserved for Future Use)

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.2 Additional Labor (Cont'd)

(G) Charges for Additional Labor

| | | GSEC | First Half Hour or Fraction Thereof | GSEC | Each Additional Half Hour or Fraction Thereof |
|---|---|---|---|---|---|
| Labor Periods | | | | | |
| (1) | Basic Time, Business Day, Per Technician | NAALCBTl | $ 34.99 | NAALCBTA | $ 17.37 |
| (2) | Overtime, Outside the Business Day, Per Technician* | NAALCOTl | 38.14 | NAALCOTA | 20.52 |
| (3) | Premium Time, Outside the Business Day, Per Technician* | NAALCPT1 | 44.44 | NAALCPTA | 26.82 |

* A call out of a Telephone Company employee at a time not consecutive with the business day is subject to a minimum charge of four hours.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.3 Maintenance of Service Charge

(A) When a customer reports trouble to the Telephone Company for clearance, the customer shall be responsible for payment of a Maintenance of Service Charge when Telephone Company personnel are dispatched to the customer's location and no trouble is found in the Telephone Company's facilities. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

In this case, or in (B) following, no credit allowance will be applicable for the interruption involved, unless the trouble is found in the Telephone Company's facilities.

(B) The customer shall be responsible for payment of a Maintenance of Service Charge when the Telephone Company dispatches personnel to the customer's location and the trouble is in equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.

(C) The Maintenance of Service Charge time period will begin when Telephone Company personnel are dispatched. This will only include the actual time required to reach the customer's location and perform an investigation. The time period will end when the investigation is finished. The labor charge as set forth in 6.2 (G) preceding will apply to Maintenance of Service at the appropriate Basic, Overtime or Premium rate. These charges apply whether the trouble is in the equipment of communications systems provided by other than the Telephone Company, or in detariffed CPE provided by the Telephone Company.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.4 Telecommunications Service Priority (TSP) System

(A) Description of the Service

The TSP System is a service that provides for the priority provisioning and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services. The TSP System applies only to NSEP services, includes both Switched and Special FIA and provides the Telephone Company with a guide to the sequence in which services are to be provisioned and/or restored.

The Telephone Company currently has Special Access circuits classified as RP (Restoration Priority). These facilities were offered under Part 64.401, Subpart D, Appendix A of the FCC Rules and Regulations prior to the revisions released November 17, 1988 under GEN. Docket No. 87-505 (FCC 88-341). These facilities will maintain their RP designation and priority treatment until either converted by the customer to the TSP System, or until March 10, 1993, whichever occurs first.

All FIA that can be identified by a unique circuit identifier can be provisioned for NSEP service by the Telephone Company.

The rates and charges associated with a customer subscribing to the TSP System are as specified in Section 6.4(G).

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.4 Telecommunications Service Priority (TSP) System

(B) Obtaining TSP System Service

The Executive Office of the President through the TSP Program Office, is empowered with the authority to receive, evaluate and process requests for NSEP services. The TSP Program Office makes the priority level assignments and issues the TSP authorization code reflecting the priority assignment associated with a request. The customer provides the TSP authorization code, in addition to all the other details necessary to complete the order (ASR) to the Telephone Company to obtain TSP System service.

The TSP authorization code, assigned on a per ASR basis, consists of a 12-character field consisting of a nine-character control ID followed by a dash and a two-character field specifying the priority level assignment. Its structure is as follows:

TSPxxxxxn-yy

The "x"s represent a sequence of numbers unique to each TSP authorization code and the "n" is a one character alphanumeric check digit. The first "y" contains the provisioning priority level assignment and the second "y" contains the restoration priority level assignment.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(C) Provisioning Priority

If the customer requires service within a shorter time interval than the Telephone Company can provide and the requested service qualifies for NSEP, the customer may elect to invoke NSEP Treatment and obtain the appropriate provisioning priority assignment from the TSP Program Office. Acceptable assignment code values are: E, 1, 2, 3, 4, 5 or 0.

The assignment of the value "E" denotes Emergency Provisioning and implies the service has the most critical provisioning requirements and the Telephone Company will respond accordingly. The Telephone Company will take immediate action to provide the requested service at the earliest possible date. Rates and charges associated with "E" provisioning are as specified in Section 6.4(G)(2)(a).

The assignment values of 1, 2, 3, 4 and 5 are treated as essential service priorities and the Company will adjust its available resources to meet the customer's requested due date. Rates and charges associated with invoking this priority treatment are specified in Section 6.4(G)(2)(b). The value "0" implies no provisioning priority.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(D) Restoration Priority

A TSP authorization code for restoration priority classifies the service as being among the nation's most important NSEP telecommunications services. The Company will restore these services before services without restoration priority assignments in the order of priority assignments. Acceptable values are: 1, 2, 3, 4, 5 or 0 with the value "1" being the highest priority.

When the Company recognizes a TSP as being out of service, unusable or receives a trouble report, available resources will be dispatched to restore the service as quickly as practicable. A priority value of 1, 2 or 3 requires dispatch outside normal business hours if necessary to restore the service. A priority value of 4 or 5 only requires dispatch outside of normal business hours if the next business day is more than 24 hours away. If the value "0" has been assigned, then no restoration priority is applicable to this service.

The minimum period of service is one month.

(E) Obligations of the Customer

(1) In all instances, the customer is responsible for obtaining the appropriate TSP authorization code and providing that code to the Telephone Company.

(2) The TSP System service customer must also be the customer for the FIA with which TSP service is associated. Only the customer or its authorized agent as indicated in a letter of agency on file with the Telephone Company is allowed to order TSP System service.

(3) All points of a multipoint service configuration must have the same restoration priority assignment and must satisfy the requirements of that assignment.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(E) Obligations of the Customer (Cont'd)

(4) In obtaining TSP System service, the customer consents to the release of certain information by the Telephone Company to the federal government in order to maintain and administer the TSP System. Such information includes: the customer's name, telephone number and mailing address, the TSP authorization code and the circuit or service ID number associated with the NSEP service.

(5) The Telephone Company will attempt to notify the customer of expected charges. The customer when invoking NSEP treatment, recognizes that quoting charges and obtaining permission beforehand may not be practicable and may cause unnecessary delays and, as a result, grants the Telephone Company the right to quote and bill charges after provisioning of the service.

(6) During certain emergencies, the customer may request TSP assignments verbally and the Telephone Company will accept such verbal notification. The customer must submit a written order (ASR) to the Telephone Company within two working days following the verbal request. If the written order (ASR) is not received within two working days, all applicable rates and charges accumulated to date to provision TSP System service, become immediately due and payable and the requested TSP priority is revoked.

(7) The customer must request and justify revalidation of all priority level assignments at least every three years.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(E) Obligations of the Customer (Cont'd)

(8) Additionally, the NCS Manual 3-1-1, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual", dated July 9, 1990, prescribes specific conditions which warrant NSEP treatment and related procedures.

(F) Obligations of the Telephone Company

(1) The Telephone Company will allocate resources to ensure best efforts to provide NSEP services by the time required.

(2) The Telephone Company will work TSP System services in the order of their priority level assignments. The priority sequence is as follows:

- Restore NSEP services assigned restoration priority 1
- Provision Emergency (E) NSEP services
- Restore NSEP services assigned restoration priority 2, 3, 4 or 5
- Provision NSEP services assigned provisioning priority 1, 2, 3, 4 or 5

(3) The Telephone Company will work cooperatively with other providers of NSEP service when only a portion is provided by the Telephone Company to ensure "end-to-end" service.

(4) Additionally, TSP System service will be provided in accordance with the guidelines set forth in NCS Handbook 3-1-2, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" dated July 9, 1990.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(F) Obligations of the Telephone Company (Cont'd)

(4) Additionally, TSP System service will be provided in accordance with the guidelines set forth in NCS Handbook 3-1-2, "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" dated July 9, 1990.

(G) Rates and Charges

The following rates and charges are in addition to all other rates and charges that may apply for other services offered under this tariff which operate in conjunction with the TSP System.

(1) Establishment of TSP System Service

The establishment of TSP System service charge is a nonrecurring charge (NRC) specified in Section 6.4(G)(4) which applies when a FIA is ordered with provisioning and/or restoration priority. If both are ordered at the same time, only one NRC is applicable. The NRC is also applicable for orders changing priority levels.

(2) Provisioning Priority

There are two basic levels of priority provisioning, Emergency (provisioning priority "E") and Essential (provisioning priority 1, 2, 3, 4 or 5).

(a) Emergency Provisioning

The Telephone Company will take immediate action to provide the requested service at the earliest possible date. The rates and charges will apply as set forth in Section 10, Special Construction.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.4 Telecommunications Service Priority (TSP) System (Cont'd)

(G) Rates and Charges (Cont'd)

(2) Provisioning Priority (Cont'd)

(b) Essential Provisioning

The Telephone Company will adjust its available resources to meet the customer's requested due date. The rates and charges will apply as set forth in Section 3.2.2(E).

(3) Restoration Priority

Restoration Priority is a monthly rate per circuit for the ongoing administration and maintenance of the TSP System. This monthly rate only applies when a restoration priority code (1, 2, 3, 4 or 5) is specified in position 12 of the authorization code. The rates are specified in Section 6.4(G)(5).

(4) Establishment of TSP System Service Charge

| | |
|---|---|
| Nonrecurring Charge per Circuit | $ 14.50 |

(5) Restoration Priority Rates

| | |
|---|---|
| Monthly Rate per Circuit | $ 4.90 |

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access

The Balloting and Allocation Process is an arrangement whereby:

- An end user may select or be allocated to an interexchange carrier (IC) to place intrastate, interLATA MTS/MTS-type calls without the 101XXXX access code. This IC is referred to as the end user's interLATA primary interexchange carrier (PIC).

- An end user may select or be allocated to an IC or local exchange carrier (LEC) to place intrastate, intraLATA MTS/MTS-type calls without the 101XXXX access code. This IC or LEC is referred to as the end user's intraLATA primary interexchange carrier (IPIC).

Balloting and allocation applies to agents of Public or Semipublic Pay Telephone service whereby the agent may select or be allocated to an IC to place intrastate interLATA calls without dialing the 101XXXX access code.

Balloting and allocation also applies to agents of Semipublic Pay Telephone service whereby the agent may select or be allocated to an IC or LEC to place intrastate intraLATA calls without dialing the 101XXX access code.

In the event that only one IC orders FGD or BSA-D to provide interLATA service or no IC or LEC orders FGD or BSA-D to provide intraLATA service from an end office in accordance with 3.1.1(D), the Balloting and Allocation Process for the PIC or IPIC set forth below will not apply.

On the effective date(s) of interLATA and intraLATA equal access (i.e., introduction of FGD or BSA-D in a serving end office), end users or agents who have not designated or been allocated to an IC or LEC will continue with the same IC or LEC service arrangement as existed prior to office conversion until the allocation process described in (B) occurs.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) End User and Agent Notification and Equal Access Balloting Process

(1) InterLATA Equal Access

End users and agents will be notified of the availability of equal access by means of an equal access ballot. ICs intending to participate in the Balloting Process for each serving end office must inform the Telephone Company in writing no later than 120 days prior to the end office conversion to FGD or BSA-D. The notification from ICs wishing to participate in pay telephone balloting must specify if the carrier will handle 0+ traffic only, both 0+ and 1+ traffic, or 0+ with 1+ traffic being handled by a secondary service provider. When 1+ coin traffic is handled by a secondary service provider, the participating IC must identify the secondary service provider. The initial ballot, the first of two ballots the end user and agent may receive, listing all ICs participating in the balloting process, and an explanation of equal access will be mailed to the end user and agent approximately 90 days prior to the end office conversion to FGD or BSA-D. IC names appearing on the ballot will be listed in a random fashion by end office to ensure that no IC will always appear first on the ballot. The IC listed on a pay telephone ballot will be the 0+ carrier.

Using the initial ballot, which end users and agents will be requested to return within 45 days after receipt, the end user or agent may designate an IC for all of its lines or may choose a different PIC for each of its lines. Where an end user has a multi-line hunt group and wants to designate several PICs for this hunt group, special arrangements may be made by contacting the Telephone Company.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) End User and Agent Notification and Equal Access Balloting Process (Cont'd)

(1) InterLATA Equal Access (Cont'd)

An agent may designate an IC for the 0+ traffic from a pay telephone. The 1+ traffic from the pay telephone may be handled by the selected 0+ carrier if the carrier handles 1+ traffic, by a secondary service provider designated by the 0+ carrier, or by the default carrier if the 0+ carrier has made no arrangements with the Telephone Company to receive 1+ pay telephone traffic.

A second ballot will be sent to an end user or agent who has not designated an IC, either by return of the initial ballot or by appearing on an IC Customer list. The second ballot will be sent 30 days after conversion of the end office. If the end user or agent does not respond to the second ballot by the requested date, then that end user or agent will be assigned to the allocated IC shown on the second ballot.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) End User and Agent Notification and Equal Access Balloting Process (Cont'd)

(2) IntraLATA Equal Access

When intraLATA and interLATA equal access is made available concurrently, end users and agents will be notified of the availability of equal access by means of an equal access ballot. ICs and LECs intending to participate in the Balloting Process for each serving end office must inform the Telephone Company in writing no later than 120 days prior to the end office conversion to FGD or BSA-D. The initial ballot, the first of two ballots the end user and agent may receive, listing all ICs and LECs participating in the balloting process, and an explanation of equal access will be mailed to the end user and agent approximately 90 days prior to the end office conversion to FGD or BSA-D. IC and LEC names appearing on the ballot will be listed in a random fashion by end office to ensure that no IC or LEC will always appear first on the ballot.

Using the initial ballot, which end users and agents will be requested to return within 45 days after receipt, the end user or agent may designate an IC or LEC for all of its lines or may choose a different IPIC for each of its lines. Where an end user has a multi-line hunt group and wants to designate several IPICs for this hunt group, special arrangements may be made by contacting the Telephone Company.

ICs and LECs wishing to participate in semipublic pay telephone balloting must be capable of handling both 0+ or 1+ intrastate intraLATA traffic.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(A) End User and Agent Notification and Equal Access Balloting Process (Cont'd)

(2) IntraLATA Equal Access (Cont'd)

A second ballot will be sent to an end user or agent who has not designated an IC or LEC, either by return of the initial ballot or by appearing on an IC or LEC Customer list. The second ballot will be sent 30 days after conversion of the end office. If the end user or agent does not respond to the second ballot by the requested date, then that end user or agent will be assigned to the allocated IC or LEC shown on the second ballot.

When intraLATA equal access is made available in an end office at some time after the end office has converted to interLATA equal access, the Balloting and Allocation process for the intraLATA IPIC will not apply.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(B) Allocation Process

An IC or LEC must notify the Telephone Company of its intent to participate in the allocation process 52 days prior to the end office conversion to equal access. The IC or LEC must also identify whether it will participate in the allocation of business lines, residence lines, or Public/Semipublic Pay Telephones or any combination.

The Telephone Company will tabulate the initial ballots received from the end users and agents described in 6.5(A) and the IC and LEC Customer lists described in 6.5(C). The percentage of end users and agents who have selected a participating IC or LEC will be determined from these ballots and lists. These percentages will be used for the allocation of end users and agents who did not respond to the initial ballot or appear on an IC or LEC list. The percentages used for allocation will be determined approximately five days after end office conversion. A second ballot, indicated in 6.5(A), will be sent to end users and agents who have been allocated to an IC or LEC.

Separate allocation processes will be used for residence, business and Public and Semipublic Pay Telephone lines. The number of end users and agents designating an IC or LEC by returning the initial ballot or appearing on an IC or LEC end user and/or agent list will be totaled. This total will be utilized to compute the percentages used for allocation of residence and business Customers and Public/Semipublic Pay Telephone Customers.

If an IC or LEC participating in the ballot process notifies the Telephone Company that it does not wish to participate in the allocation process, the percentage of Customers allocable to that nonparticipating IC or LEC will be allocated to the remaining ICs and LECs.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(C) Interexchange Carrier Customer Lists

The Telephone Company will accept IC and LEC Customer lists identifying end users and agents who have made individual arrangements with the IC or LEC to designate the IC or LEC as their primary long distance carrier. The list should be in the form of magnetic tape or paper printout. IC and LEC lists may continue to be received after the initial ballot deadline. All lists must be submitted to the Telephone Company no later than 20 days prior to the end office conversion to be included in the allocation process. If end user and agent ballots are received by the IC or LEC, the end user and agent will be included in the IC or LEC Customer list. The IC or LEC must retain the actual ballots for inspection by the Telephone Company for a period of one year after end office conversion.

(D) End User Choice Discrepancy

An IC or LEC is required to certify at the time it submits end user and/or agent lists to the Telephone Company that it has on file, or has instituted steps designed to obtain signed letters of agency or confirmations of choice from the end user or agent. The IC or LEC is not required to submit letters of agency when submitting end user or agent lists to the Telephone Company, but should maintain the confirmations or letters on file for use in dispute resolution. The IC or LEC should request written confirmation of choice from its Customers no later than the date of submission of its first bill to the Customer.

When an end user or agent indicates more than one PIC or IPIC per line or returns an illegible ballot, the Telephone Company will contact the end user or agent for clarification.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(D) End User Choice Discrepancy (Cont'd)

When the Telephone Company identifies a conflict between a ballot and an IC or LEC list, or between lists submitted by two or more ICs and/or LECs, the Telephone Company will notify, within 10 days, all affected ICs and LECs via a conflict report. Those ICs and LECs not involved in any conflicts will receive a zero conflict report from the Telephone Company.

When an end user or agent returns a ballot to the Telephone Company and also appears on a conflicting IC or LEC Customer list, the ballot takes precedence. If an end user or agent appears on two or more IC or LEC Customer lists, the end user or agent will be allocated along with the nonrespondents to the initial ballot. A letter sent with the second ballot will inform the end user or agent that there exists a conflict between two or more ICs and/or LECs and a selection must be made by the deadline of the second ballot, unless the allocated IC or LEC indicated is the end user's or agent's choice.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones

(1) InterLATA Equal Access

The balloting and allocation of Public and Semipublic Pay Telephone lines is furnished in accordance with the provisions of the Memorandum of the U.S. District Court for the District of Columbia in United States vs. GTE Corporation (C.A. No. 83-1298), issued December 23, 1988.

The balloting and allocation process is a procedure whereby an agent of Public and Semipublic Pay Telephone service may select and designate to the Telephone Company an IC to access, without dialing an access code, for 0+ interLATA calls. This IC is referred to as the agent's primary IC. The 1+ interLATA calls from a pay telephone will be handled by the agent's primary IC if the IC handles 1+ traffic, by a secondary service provider selected by an agent's primary IC, or by the default carrier if the agent's primary IC has made no arrangements for handling 1+ traffic from a pay telephone.

If the agent's primary IC elects not to submit an order for its 1+ interLATA sent-paid traffic or fails to select a secondary service provider to handle its 1+ interLATA calls from the Telephone Company's pay telephones, the 1+ interLATA coin sent-paid traffic will continue to be routed to the existing 1+ default carrier (provided such carrier continues to accept it) until the 0+ carrier notifies the Telephone Company.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(1) InterLATA Equal Access (Cont'd)

The Telephone Company will notify agents of Public and Semipublic Pay Telephones of the availability of equal access through the mailing of an Equal Access Ballot. The mailing of the initial ballots will take place 90 days prior to conversion.

Agents of Public and Semipublic Pay Telephones will be requested to return their respective ballot to the Telephone Company within 45 days from receipt of the ballot.

An IC obtaining service commitments from agents directly, must obtain signed authorization from those agents. The IC will be required to provide that authorization to the Telephone Company within 30 days of the Telephone Company's request for the resolution of disputes.

Agents of Public and Semipublic Pay Telephones who have not made a primary IC selection, either through the Payphone Equal Access Ballot, or directly with an IC, will be sent a second ballot by the Telephone Company 30 days after the conversion date.

The Telephone Company will tabulate the initial ballots received from the agents and the IC Customer lists. The percentage of agents who have selected a participating IC will be determined from these ballots and lists. These percentages will be used for the tentative allocation of agents who did not respond to the initial ballot or appear on an IC list. The percentages used for allocation will be determined approximately five days after end office conversion.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(1) InterLATA Equal Access (Cont'd)

If an IC participating in the ballot process notifies the Telephone Company that it does not wish to participated in the allocation process, the percentage of Customers allocable to that nonparticipating IC will be allocated to the remaining ICs.

The Telephone Company will make post conversion changes in a Public and/or Semipublic Pay Telephone agent's PIC assignment pursuant to an IC provided list. Should an agent dispute authorization for an IC submitted change within 90 days of the PIC assignment to the IC, and if the IC cannot produce a letter of agency or confirmation of choice from the agent within 30 days of a request by the Telephone Company to do so, the Telephone Company will place the public or semipublic telephone on the agent's previously selected IC network. the IC will be billed one unauthorized PIC change charge in 6.5(M) for the change to the disputed network and one PIC change charge in 6.5(L) for returning the public or semipublic telephone to its originally selected IC network.

If the IC produces the letter of agency of confirmation of choice within 30 days of the request by the Telephone Company to do so, and if the service of the disputing agent has been switched back to its originally selected IC network, the agent will be billed two PIC change charges in 6.5(L) in lieu of charges to the IC, one for the switch to the IC providing the letter of agency or confirmation of choice and one for the subsequent switch back to the agent's original IC.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones

(2) IntraLATA Equal Access

The balloting and allocation of Semipublic Pay Telephone lines is furnished in accordance with the provisions of the Commission's Order in Docket No. P-999/CI-87-697 which authorizes the selection of intraLATA 1+ and 0+ presubscribed carriers for payphones.

The balloting and allocation process is a procedure whereby an agent of Semipublic Pay Telephone service may select and designate to the Telephone Company an IC or LEC to access, without dialing an access code, for 0+ and 1+ intraLATA calls. This IC or LEC is referred to as the agent's primary intraLATA carrier.

The Telephone Company will notify agents of Semipublic Pay Telephones of the availability of equal access through the mailing of an Equal Access Ballot. The mailing of the initial ballots will take place 90 days prior to conversion.

Agents of Semipublic Pay Telephones will be requested to return their respective ballot to the Telephone Company within 45 days from receipt of the ballot.

An IC or LEC obtaining service commitments from agents directly, must obtain signed authorization from those agents. The IC or LEC will be required to provide that authorization to the Telephone Company within 30 days of the Telephone Company's request for the resolution of disputes.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(2) IntraLATA Equal Access (Cont'd)

Agents of Semipublic Pay Telephones who have not made a primary intraLATA carrier selection, either through the Payphone Equal Access Ballot, or directly with an IC or LEC, will be sent a second ballot by the Telephone Company 30 days after the conversion date.

The Telephone Company will tabulate the initial ballots received from the agents and the IC/LEC customer lists. The percentage of agents who have selected a participating intraLATA carrier will be determined from these ballots and lists. These percentages will be used for the tentative allocation of agents who did not respond to the initial ballot or appear on an IC/LEC list. The percentages used for allocation will be determined approximately five days after end office conversion.

If an IC or LEC participating in the ballot process notifies the Telephone Company that it does not wish to participated in the allocation process, the percentage of Customers allocable to that nonparticipating intraLATA carrier will be allocated to the remaining intraLATA carriers.

The Telephone Company will make post conversion changes in a Semipublic Pay Telephone agent's IPIC assignment pursuant to an IC or LEC provided list. Should an agent dispute authorization for an IC or LEC submitted change within 90 days of the IPIC assignment to the IC or LEC, and if the IC or LEC

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(E) Balloting and Allocation Procedure for Public and Semipublic Pay Telephones (Cont'd)

(2) IntraLATA Equal Access (Cont'd)

cannot produce a letter of agency or confirmation of choice from the agent within 30 days of a request by the Telephone Company to do so, the Telephone Company will place the semipublic telephone on the agent's previously selected intraLATA carrier network. The IC or LEC will be billed one unauthorized IPIC change charge in 6.5(M) for the change to the disputed network and one IPIC change charge in 6.5(L), for returning the semipublic telephone to its originally selected intraLATA carrier's network.

If the IC or LEC produces the letter of agency of confirmation of choice within 30 days of the request by the Telephone Company to do so, and if the service of the disputing agent has been switched back to its originally selected intraLATA carrier's network, the agent will be billed two IPIC change charges in 6.5(L) in lieu of charges to the IC, one for the switch to the IC or LEC, one for the switch to the IC or LEC providing the letter of agency or confirmation of choice and one for the subsequent switch back to the agent's original intraLATA carrier.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(F) PIC and IPIC Charge Application

Initial end user, end user agent and a local service provider that resells services (herein referred to as reseller) selection of a PIC by ballot or appearing on an IC or, for intraLATA service, a LEC list will not incur a charge. A change of PIC selection prior to the end office conversion to interLATA equal access will not incur a charge. A change of IPIC selection prior to the end office conversion to intraLATA equal access will not incur a charge. Notification of a change in a PIC or IPIC may be coordinated by the end user, end user agent or reseller with either the IC or LEC selected or with the Telephone Company, if it is not the selected LEC. If the customer changes both the PIC and the IPIC on the same order, only one charge (the PIC) will apply. Within six months after conversion to equal access, an end user, end user agent or reseller allocated to an IC or LEC may elect to change to another IC or LEC at no charge, on a one-time basis. After the six month period has elapsed, a nonrecurring charge in 6.5(L) will apply to change the PIC or IPIC. After conversion to equal access, end users, end user agents or resellers who select an IC or LEC by returning the initial ballot will be charged for each change made.

In end offices converted to Equal Access new end users, end user agents or resellers of Pay Telephones and multi-party end users who upgrade to individual lines must presubscribe to the PIC and/or IPIC of their choice at the time an order is placed for service. The IPIC may be an IC or LEC (the Telephone Company or another LEC). Upon the end user's, end users agent's or reseller's selection of the PIC and/or IPIC, at the time of placing an order, a confirmation notice will be sent identifying the IC selected as the PIC and/or the IC or LEC selected as the IPIC. From the date of the confirmation notice, he will have 90 days to change his presubscription selection without a charge. If a

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(F) PIC and IPIC Charge Application (Cont'd)

PIC and/or IPIC is not chosen at the time the order for service is submitted, the end user, end user agent or reseller will be sent a confirmation notice which contains a list of ICs with FGD or BSA-D providing interLATA service and/or a list of ICs and LECs providing intraLATA service, and will be informed that they have 90 days to contact the IC and/or LEC of their choice or the Telephone Company to apply for the PIC or IPIC arrangement. If notice is received by the Telephone Company within 90 days of the in-service date for local service or upgrade, no charge will be billed to the end user, end user agent or reseller. If notice is received after 90 days, the end user, end user agent or reseller will be billed a nonrecurring charge for each PIC or IPIC as in 6.5(L). Until the end user, end user agent or reseller receives service from the selected carrier, he may access the carrier of his choice by dialing the appropriate 101XXXX carrier identification code.

The Telephone Company will make post conversion changes in the end user's, end users agent's or reseller's PIC or IPIC assignment pursuant to an IC or LEC provided list of Customers, accepted by the Telephone Company under conditions in (C) and (D). Post conversion changes in a PIC assigned to a Pay Telephone will be made under the conditions set forth in 6.5(E). Should an end user, end user agent or reseller dispute authorization of the change within 90 days of the PIC or IPIC assignment, and if the IC or LEC cannot produce a letter of agency or confirmation from the end user, end user agent or reseller, the Telephone Company will place the end user on the previous IC or LEC network where possible and the IC or LEC will be billed according to the following options:

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(F) PIC and IPIC Charge Application (Cont'd)

(1) If the IC or LEC has previously submitted a letter requesting the Telephone Company to settle end user disputes without investigation, the carrier will be charged two PIC or IPIC change charges, in 6.5(L). One PIC or IPIC change charge is for the change to the disputed carrier and one is for placing the end user on his previous carrier network or the carrier network of his choice. By virtue of the carrier's letter requesting no investigation, the Telephone Company will perform no investigation and will not accept nor request at a later date any letter of authorization regarding an end user's disputed PIC or IPIC assignment. This option does not apply to Pay telephones nor Coinless telephone lines. This option also does not relieve the IC or LEC of the conditions set forth in (C) and (D) preceding.

(2) If the IC or LEC does request in writing that end user PIC or IPIC disputes be resolved with investigation as in (1) preceding, the carrier will be billed one Unauthorized PIC or IPIC charge, in 6.5(M), for the change to the disputed carrier and one PIC or IPIC change charge, in 6.5(L), for placing the end user on the carrier network of his choice.

If, under (2) preceding, the IC or LEC produces the letter of agency or confirmation of choice within 30 days of the Telephone Company request, the end user, end user agent or reseller will be billed two PIC or IPIC charges in 6.5(L) in lieu of charges to the IC or LEC. Charges are only applicable if a change in an end user's, end user agent's or reseller's carrier selection has actually been implemented in the switch.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(G) (Reserved for Future Use)

(H) Cancellation of a Carrier Participation

If an IC or LEC cancels all of its FGD or BSA-D service in the converting end office prior to the conversion date or discontinues all of its FGD or BSA-D service within two years after the introduction of FGD or BSA-D in the converting end office, the carrier is obligated to do the following:

(1) Notify the Telephone Company of the cancellation of their FGD or BSA-D service, and

(2) Contact in writing all end users, end user agents or resellers who have selected, or been allocated to, the canceling carrier as their PIC or IPIC, inform these end users, end user agents and resellers of the cancellation, request the end users, end user agents and resellers to select a new PIC or IPIC, and state that the canceling carrier will pay the nonrecurring charge as set forth in 6.5(L).

The Telephone Company will bill the canceling IC or LEC for a period of two years from the discontinuance of FGD or BSA-D service, the nonrecurring charge as set forth in 6.5(L) for each end user, end user agent or reseller this carrier has currently designated to it. Such charge will not apply to the canceling carrier where the canceling IC or LEC transfers or assigns its FGD or BSA-D services and the associated 101XXXX code to another carrier in such manner that the Telephone Company does not change end user, end user agent or reseller records or if another carrier elects to pay nonrecurring charge on behalf of the canceling IC or LEC.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(I) Liability of the Telephone Company

If through the fault of the Telephone Company, the end user, end user agent or reseller is not subscribed to its chosen PIC or IPIC, the nonrecurring charges in 6.5(L) and 6.5(M) do not apply to reassign the end user, end user agent or reseller to his chosen PIC or IPIC.

(J) (Reserved for Future Use)

(K) Carrier Desired Due Date (ICDDD) for PIC or IPIC Installation

An IC or LEC may request a desired due date for PIC or IPIC installation for a specific, single end user, end user agent or reseller acting on behalf of an end user post equal access conversion. This ICDDD is a mutually agreed upon negotiated due date, determined to be between 3 and 45 business days from the date of receipt of the order. The carrier must coordinate the ICDDD with the Telephone Company prior to sending in the first order.

The ICDDD does not apply to routine lists provided by the carrier, as set forth in 6.5(C) and (D). The Nonrecurring Charge for PIC or IPIC as set forth in 6.5(L), applies to each line converted to the carrier requesting ICDDD. This charge will be billed to the carrier's end user Customer.

(M)

(M)

(M) Material formerly on this page has been moved to Page 446

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.5 Balloting and Allocation Process For Equal Access (Cont'd)

(L) Presubscription Change Charge

(T) (M)
(N)

The Presubscription Change Charge is a nonrecurring charge that varies based on the type of PIC Change Order that is submitted. Rates for manually submitted orders will typically be higher than rates for electronically submitted orders. When a customer requests only an interLATA PIC Change, the interLATA Presubscription Change Charge found in Citizens Telecommunications Companies Tariff FCC No. 1 will apply. When a customer requests only an intraLATA PIC Change, the charge from this tariff will apply. When a customer requests both interLATA and intraLATA Presubscription changes to the same phone number on the same order, a lower rate applies.

**Presubscription Change Charge**

**IntraLATA PIC Charge* – per line or trunk:**

| | |
|---|---|
| Manual Change | $5.50 |
| Electronic Change | $1.25 |

**IntraLATA PIC Change Charge* – when made simultaneously with interLATA PIC Change, per line or trunk:**

| | |
|---|---|
| Manual Change | $2.75 |
| Electronic Change | $0.63 |

(N) (M)

(M) Nonrecurring Charge for Unauthorized PIC or IPIC changes

The nonrecurring charges for Unauthorized PIC or IPIC changes are as follows:

| | | Nonrecurring Charge | GSEC |
|---|---|---|---|
| (1) | Per Telephone Company Local Business or Residence Service Line or Trunk | $13.80 | NEPSUBR (PIC)<br>NAAPSUBR (IPIC) |

(M) Material on this page has been moved from Page 445.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing

The Telephone Company will perform acceptance testing as specified in 4.2.7 of this tariff and Section 5.1.5 to insure that FIA ordered by the customer are functioning properly, prior to turning over such FIA to the customer. In addition, the Telephone Company will perform ongoing tests as specified in 4.2.1 and 4.2.2 to assure the continued satisfactory performance of Switched Access Services ordered by the customer.

Testing offered under this section of the tariff is in addition to those tests described above and will be provided, when requested by the customer, at an additional charge.

Testing is provided by Telephone Company personnel at Telephone Company locations. However, provisions are made in 6.6(A)(5) and 6.6(B)(2), to allow a customer to request Telephone Company personnel to perform testing at the customer designated location or the end user premises.

Additional testing is provided on a scheduled or nonscheduled basis. Scheduled testing shall be performed on a predetermined time basis to allow for cost efficient utilization of Telephone Company and customer resources. Scheduled testing should be based on a one year period. Nonscheduled tests are performed by the Telephone Company on a request-by-request basis, not in conjunction with any fixed schedule.

The offering of testing under this section of the tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in (A), (B), and (C) following.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing (Cont'd)

(A) Switched Access Testing

Testing for Switched Access is comprised of (a) tests which are performed during the installation of Switched Access (i.e., acceptance tests) and (b) tests which are performed after acceptance of such Switched Access by a customer (i.e., in-service tests).

These tests are performed on a scheduled or nonscheduled basis, and may be conducted on an automatic, cooperative, or manual basis, as defined in (1), (2), (3), (4), and (5) following.

(1) Additional Cooperative Acceptance Testing

Additional Cooperative Acceptance Testing (ACAT) of Switched Access involves the Telephone Company provision of a technician at its office(s) and the customer provision of a technician at its CDL, with suitable test equipment to perform the required tests.

Additional Cooperative Acceptance Testing may apply when the customer requests additional tests not specified in 4.2.7.

The labor charges as in 6.2(G) will apply to Additional Cooperative Acceptance Testing at the appropriate Basic, Overtime, or Premium rate.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing (Cont'd)

(A) Switched Access Testing (Cont'd)

(2) Automatic Scheduled Testing

Automatic Scheduled Testing (AST) of FGB, FGC, FGD, BSA-B, BSA-C, BSA-D and SAC Access Service, is provided, as specified in 4.2.1 and 4.2.2, where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent. AST charges will apply when such testing is requested on a more frequent basis than is provided for in accordance with the Telephone Company's Central Office Maintenance Planning System (COMPS). The customer may specify a more frequent schedule of tests at least sixty days prior to the start of the prescribed schedule. Trunks from a Telephone Company digital switch, to a customer digital switch, utilizing digital facilities, are excluded from mandatory routine testing. The rates, as in 6.6(C)(1), will apply to additional AST.

The Telephone Company will provide a monthly AST report that lists the trunks within each Central Office access group that failed to meet established requirements. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis. A monthly report that lists the test results will be provided to the customer.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing (Cont'd)

(A) Switched Access Testing (Cont'd)

(3) Additional Cooperative Scheduled Testing

Additional Cooperative Scheduled Testing (ACST) of FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D and 800 Access Service occurs when the Telephone Company provides a technician at its office(s) and the customer provides a technician at its customer designated location, with suitable test equipment to perform the required tests. ACST charges will apply when loss/noise/balance testing or gain-slope testing is requested on a more frequent basis than is provided for in accordance with the Telephone Company's Central Office Maintenance Planning System (COMPS). ACST charges also apply when additional tests are requested for FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D and SAC Access Service that are not specified in 4.2.1 and 4.2.2 respectively. The customer may specify a more frequent schedule of tests sixty days prior to the start of the prescribed schedule. The rates, as in 6.6(C)(2), will apply for additional ACST.

The Telephone Company will provide, on a quarterly basis, an ACST report that lists the test results and the number of trunks that passed or failed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing (Cont'd)

(A) Switched Access Testing (Cont'd)

(4) Additional Manual Scheduled Testing

Additional Manual Scheduled Testing (AMST) of FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D or 800 Access Service occurs when the Telephone Company provides a technician at its office(s) and at the customer designated location. AMST charges will apply when loss/noise/balance testing or gain-slope testing is requested on a more frequent basis than is provided for in accordance with the Telephone Company's Central Office Maintenance Planning System (COMPS). AMST charges also apply when additional tests are requested for FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C, BSA-D or SAC Access Service that are not specified in 4.2.1 and 4.2.2 respectively. The customer may specify a more frequent schedule of tests sixty days prior to the start of the prescribed schedule. The rates as in 6.6(C)(3) will apply to additional AMST.

The Telephone Company will provide, on a quarterly basis, an AMST report that lists the test results and the number of trunks that passed or failed. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing (Cont'd)

(A) Switched Access Testing (Cont'd)

(5) Nonscheduled Testing

Nonscheduled Testing (NST) will be performed "on demand" which results in the measurement of Switched Access. NST charges will apply only when testing is requested more frequently than is provided for in accordance with COMPS, or when a specific test is requested that is not normally performed. Tests for Switched Access which are normally performed are contained in 4.2.1 and 4.2.2. Nonscheduled Testing (NST) of Switched Access may consist of the following testing arrangements:

- the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent (automatic testing), or

- the Telephone Company provides a technician at its office(s) and the customer provides a technician at its customer designated location with suitable test equipment to perform the required tests (cooperative testing), or

- the Telephone Company provides a technician at its office(s), and at the customer designated location or end user premises with suitable test equipment to perform the required tests (manual testing).

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing (Cont'd)

(A) Switched Access Testing (Cont'd)

(5) Nonscheduled Testing (Cont'd)

Nonscheduled Tests may consist of any tests which the customer may require. The rates as set forth in 6.6(C)(1) following will apply to Nonscheduled Automatic Testing. The labor charges as set forth in 6.2(G) preceding will apply to Nonscheduled Cooperative and Manual FIA Testing at the appropriate Basic, Overtime, or Premium rate.

If nonscheduled tests are required and trouble is found in Telephone Company facilities, charges for testing the Telephone Company facilities will not apply. If, however, trouble is found in the customer equipment, charges as set forth in 6.6(C)(1) following and labor charges as set forth in 6.2(G) preceding are applicable.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing (Cont'd)

(A) Switched Access Testing (Cont'd)

(6) Obligations of the Customer

(a) The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support AST as set forth in 6.6(A)(2) preceding or NST as set forth in 6.6(A)(5) preceding.

(b) The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

(B) Special Access Testing

The Telephone Company will, at the request of a customer, provide assistance in performing specific tests requested by the customer, however, the Telephone Company will only perform maintenance testing for its facilities within the LATA.

(1) Additional Cooperative Acceptance Testing

When a customer provides a technician at its customer designated location or at the end user premises, with suitable test equipment to perform the required tests, the Telephone Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing (ACAT). The labor charges as set forth in 6.2(G) preceding will apply to ACAT at the appropriate Basic, Overtime, or Premium rate.

Additional Cooperative Acceptance Testing charges will apply when the customer requests tests which are not required to meet the transmission performance parameters as set forth in the Technical Interface Reference Manual.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing (Cont'd)

(B) Special Access Testing (Cont'd)

(2) Nonscheduled Testing

When a customer provides a technician at its customer designated location or at the end user premises, with suitable test equipment to perform the required tests, the Telephone Company will provide a technician at its office (cooperative testing) for the purpose of conducting Nonscheduled Testing (NST). Nonscheduled testing may consist of any test (e.g., loss, noise, slope, envelope delay, etc.) which the customer may request. If such testing indicates trouble in Telephone Company facilities, then the customer will not be charged. NST charges will apply if the trouble is in the facilities of the customer. At the customer's request, the Telephone Company will provide a technician at the customer designated location or at the end user premises (manual testing). The labor charges as set forth in 6.2(G) preceding will apply to Nonscheduled Testing at the appropriate Basic, Overtime, or Premium rate.

(3) Obligation of the Customer

When the customer subscribes to Testing as set forth in this section, the customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.6 Additional Testing (Cont'd)

(C) Rates and Charges

| | | GSEC | Per Month |
|---|---|---|---|
| (1) | Automatic Scheduled Testing | | |
| | Basic Offering to First Point of Switching, Per Transmission Path | AAST BO | $.45 |
| (2) | Additional Cooperative Scheduled Testing | | |
| (a) | Basic Offering to First Point of Switching, Per Transmission Path | ACST BO | 1.63 |
| (b) | Gain-Slope-To First Point of Switching, Per Transmission Path | ACST GS | .69 |
| (3) | Additional Manual Scheduled Testing | | |
| (a) | Basic Offering to First Point of Switching, Per Transmission Path | AMST BO | 3.27 |
| (b) | Gain-Slope-To First Point of Switching, Per Transmission Path | AMST GS | 1.39 |

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.7 Provision of FIA Billing Information

(A) The customer will receive its monthly bills in paper format. At the option of the customer, its monthly bills may be provided on magnetic tape. When call detail is transmitted via magnetic tape, a charge will apply on a per tape and per record of detail entered basis. The provision of the bills on magnetic tape will be at an additional charge to the customer set forth below.

Provision of FIA Billing Information
in Magnetic Tape Format

| | | |
|---|---|---|
| (a) | Per Tape | $50.00 |
| (b) | Per Record | .01 |

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.8 End User/Agent Lists

(A) Presubscription List

(1) InterLATA Equal Access

Prior to conversion to equal access (i.e., introduction of FGD or BSA-D in an end office switch) an IC may request a list of the Telephone Company's end users of record served from that end office switch. The Presubscription List will be provided as follows:

(a) The Telephone Company will provide a list from its customer data base. The list may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC, at rates provided in 6.8.1(A). Foreign listings, PBX stations, CU CENTREX stations and numbers not in service will not be provided.

(1) The initial list will be provided to the IC no later than 30 days after receipt of the order and payment by the IC of charges as in 6.8.1(A). The nonrecurring charge for the initial list applies per order. A single order may contain all end offices within a state having the same equal access conversion date. The telephone number will not be provided if an end user has a nonpublished number.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.8 End User/Agent Lists

(A) Presubscription List (Cont'd)

(1) InterLATA Equal Access (Cont'd)

(a) (Cont'd)

(2) The Account Activity List, which includes a listing of all changes to the customer data base, since the initial list was produced, will be provided on a cyclic basis. The Account Activity List will only include information for those end users and agents that are presubscribed to the IC (including end users with nonpublished numbers) for the sole purpose of updating the IC's customer account information. There is no charge for this list.

(b) The IC agrees to use the Initial and Account Activity Lists for the sole purpose of either contacting potential customers, or existing customers, regarding interexchange telecommunications services available through equal access to be obtained from the Telephone Company or for the purpose of updating IC customer account information. The IC agrees not to sell, or reproduce in any manner, in whole or in part, the lists or permit such to be done.

(c) The IC shall indemnify, protect and save harmless the Telephone Company from and against any and all loss, liability, damages and expense arising out of any demand, claim, suit or judgment for damages which may arise out of the Telephone Company's supplying of listing information, services or records.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.8 End User/Agent Lists

(A) Presubscription List (Cont'd)

(1) InterLATA Equal Access (Cont'd)

(d) The Telephone Company and the IC agree that the mutual objective of the parties is to conduct their respective businesses to avoid confusion by the end users as to the separate and independent identity of the respective companies and their services. Neither the Telephone Company nor the IC shall make any representation to end users, the public, prospective advertisers, expressed or implied, written or oral, which would imply that the IC is the same as, a part of, or associated with the Telephone Company.

(e) This service may be terminated by either the Telephone Company or the IC upon thirty (30) days' written notice. The Telephone Company reserves the right to terminate this service immediately upon written notice if the IC misuses the list information. Performance by the Telephone Company shall be excused in the event of strike, riot, act of God or any other cause beyond the reasonable control of the Telephone Company.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.8 End User/Agent Lists (Cont'd)

(A) Presubscription List (Cont'd)

(2) IntraLATA Equal Access

Prior to conversion to intraLATA equal access an IC or LEC may request a list of the Telephone Company's end users and agents of record served from that end office switch. A single Presubscription List will be provided to intraLATA toll providers as follows:

(a) The Telephone Company will provide a list from its Customer data base. The list may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC or LEC, at rates provided in 6.8.1(A). Foreign listings, PBX stations, CU centrex stations, public coin station and numbers not in service will not be provided.

(1) The Initial List will be provided to the IC or LEC no later than 30 days after receipt of the order and payment by the IC or LEC of charges in 6.8.1(A). The nonrecurring charge for the Initial List applies per order. A single order may contain all end offices having the same intraLATA equal access conversion date. The telephone number will not be provided if an end user or agent has a nonpublished number.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.8 End User/Agent Lists (Cont'd)

(A) Presubscription List (Cont'd)

(2) IntraLATA Equal Access (Cont'd)

(a) (Cont'd)

(2) The Account Activity List, which includes a listing of all changes to the Customer data base, since the Initial List was produced, will be provided on a cyclic basis. The Account Activity List will only include information for those end users and agents that are presubscribed to the IC or LEC (including end users and agents with nonpublished numbers) for the sole purpose of updating the IC's or LEC's Customer account information. There is no charge for this list.

(b) The IC or LEC agrees to use the Initial List for the sole purpose of contacting potential Customers/agents, or existing Customers/agents, regarding intraLATA telecommunications services available through equal access to be obtained from the Telephone Company. The IC or LEC agrees not to sell, or reproduce in any manner, in whole or in part, the lists or permit such to be done.

(c) The IC or LEC shall indemnify, protect and save harmless the Telephone Company from and against any and all loss, liability, damages and expense arising out of any demand, claim, suit or judgment for damages which may arise out of the Telephone Company's supplying of listing information, services or records.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.8 End User/Agent Lists (Cont'd)

(A) Presubscription List (Cont'd)

(2) IntraLATA Equal Access (Cont'd)

(d) The Telephone Company and the IC or LEC agree that the mutual objective of the parties is to conduct their respective businesses to avoid confusion by the end users and agents as to the separate and independent identity of the respective companies and their services. Neither the Telephone Company nor the IC or LEC shall make any representation to end users, the public, prospective advertisers, expressed or implied, written or oral, which would imply that the IC or LEC is the same as, a part of, or associated with the Telephone Company.

(e) This service may be terminated by either the Telephone Company or the IC or LEC upon thirty (30) days' written notice. The Telephone Company reserves the right to terminate this service immediately upon written notice if the IC or LEC misuses the list information. Performance by the Telephone Company shall be excused in the event of strike, riot, act of God or any other cause beyond the reasonable control of the Telephone Company.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.8 End User/Agent Lists (Cont'd)

(B) Allocation Lists

(1) The Telephone Company will provide to the IC or LEC, at no charge, a list of end users and agents that have been allocated to the IC or LEC as described in 6.5(B). This list will be provided after the Balloting and Allocation Process occurs.

(2) A list of all end users and agents who have been allocated, in accordance with 6.5(B), will be available to an IC or LEC upon request. Charges in 6.8.1(A) will apply. The nonrecurring charge for the Allocation List applies each time the IC or LEC orders the service. A single order may contain all end offices having the same equal access conversion date.

(C) Snapshot List

The Snapshot List is a summary of selected end user and agent information for a specific IC or LEC which resides in the Telephone Company Customer data base. The Snapshot List may be provided on magnetic tape, electronic transmission or paper printout, at the option of the IC or LEC, at rates provided in 6.8.1(B). Foreign listings, PBX stations, CU centrex stations and numbers not in service will not be provided.

The Snapshot List will be provided to the IC or LEC no later than 30 days after receipt of the order. The nonrecurring charge for the Snapshot List applies per order.

The purpose, liability and objectives associated with the provision of the Snapshot List is in 6.8(A)(1)(b)-(e) and 6.8(A)(2)(b)-(e).

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.8 End User/Agent Lists (Cont'd)

6.8.1 Rates and Charges

| | | Nonrecurring Charge Per ASR | Initial List Per Customer Account | Allocation List, Per Listing |
|---|---|---|---|---|
| (A) | Initial and Allocation Lists* | $50.00 | $ .03 | $ .03 |
| (B) | Snapshot List | Per Order | Per Listing | |
| | | $75.00 | $0.05 | |

* For the purpose of the Initial Lists a customer is defined in Section 2.6 preceding. For the purpose of the Allocation list, a listing is defined as an end user record eligible for a Predesignated Interexchange Carrier Selection.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.9 Billing Name and Address Services (BNAS)

The Telephone Company will, upon request, provide Billing Name and Address Services (BNAS) to a Telecommunications Service Provider (customer), or its authorized billing and collection agent. Telecommunications Service Providers include interexchange carriers, operator service providers, enhanced service providers, and any other provider of intrastate telecommunications services. There are three BNAS offerings available pursuant to this tariff, Per Call/Periodic BNA, Data Gathering Service (DGS), and End User Validation List.

(A) Per Call/Periodic BNA and Data Gathering Service

Per Call/Periodic BNA is the billing name and address information and Data Gathering is the billing telephone number, name, address and associated working telephone number information for customer provided ten digit end user telephone numbers required by the Telecommunications Service Provider customer to bill for calls placed within a specific time period. Per Call/Periodic BNA and DGS are offered subject to the conditions set forth in the following:

(1) A standard format for the receipt and provision of telephone number and billing name and address information will be established by the Telephone Company. Charges for each Per Call/Periodic BNA searched for and found or searched for and not found will be billed at rates in 6.9.1(A). Charges for each record accessed for DGS are set forth under 6.9.1(B). Per Call/Periodic BNA and DGS will be provided via magnetic tape, electronic transmission, or paper format, at the option of the customer, at rates in 6.9.1. The processing fee will be applied on a per state basis, once per calendar year for BNAS processing done within that calendar year.

(2) The customer must order Per Call/Periodic BNA or DGS and provide test data tape at least 30 days prior to delivery of the first customer order.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.9 Billing Name and Address Services (BNAS) (Cont'd)

(A) Per Call/Periodic BNA and Data Gathering Service (Cont'd)

(3) The frequency for receipt of the customer provided orders for Per Call/Periodic BNA or DGS will be no more than twice monthly and at intervals mutually agreed upon between the Telephone Company and the customer. The customer provided end user telephone numbers will be programmed by the Telephone Company with the proper end user's billing name and address contained in the Telephone Company's file at that time.

(4) Per Call/Periodic BNA and DGS information for end user telephone numbers will be provided unless the end user provides notice of nonconsent to the Telephone Company of nonconsent to the release of the BNA/DGS data. Within 30 days of receipt of such notice, the Telephone Company will discontinue disclosure of the end user BNA/DGS data.

(5) For other than electronic transmission, the output records will be sent to the customer via first class U. S. Mail. The output records will normally be made available for mailing ten workdays after receipt of the customer order or at an interval mutually agreed upon. Availability may be delayed in case of input errors in the customer provided order.

(6) The customer may request data be transmitted. Data transmission charges will be determined on an ICB. Data transmission hardware and software specifications will be mutually agreed upon by the Telephone Company and the customer.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.9 Billing Name and Address Services (BNAS) (Cont'd)

(A) Per Call/Periodic BNA and Data Gathering Service (Cont'd)

(7) Per Call/Periodic BNA and DGS detail will not be retained by the Telephone Company longer than 45 days. If the customer requests that the output be made available on a second occasion, such request must occur within 30 days from the date the first was made.

(8) Any customer, provided Per Call/Periodic BNA or DGS pursuant to this tariff, agrees to abide by all applicable rules, decisions, orders, statutes and laws concerning the disclosure of published and nonpublished telephone numbers, and further agrees to use the information contained therein only for the purpose of billing for services provided to their end users.

(9) In no case shall any customer or authorized billing and collection agent of a customer disclose the billing name and address information of any subscriber to any third party, except that a customer may disclose BNA/DGS information to its authorized billing and collection agent or to governmental law enforcement agencies.

(10) Conditions regarding refusal or discontinuance of this service are set forth in 2.1.8.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.9 Billing Name and Address Services (BNAS) (Cont'd)

(B) End User Validation List

End User Validation Lists provide for the disclosure of end user billing name and address information only, that is available from the Telephone Company's records, to a Telecommunications Service Provider (customer), for purposes other than billing, and in compliance with the conditions set forth in Part 64.1201(c)(1) of the FCC's Rules and Regulations. In addition, End User Validation List Service is offered subject to the conditions set forth in 6.9(A)(9) above, and the following:

(1) Standard End User Validation Lists will be provided in three (3) files, business, coin (semi-public and public paystations) and residence. Nonlisted/nonpublished information will be excluded, with the exception of nonlisted public paystations. The lists may be ordered on a national, multi-state or state level basis, at the option of the customer, for any of the Telephone Company's jurisdictions subject to this tariff, unless prohibited by federal regulation or federal statute. Rates for the standard End User Validation List are set forth under 6.9.1(C).

(2) Per calendar year, the customer may request up to two (2) lists per state for business, coin, and residence listings.

(3) A standard format will be established by the Telephone Company. Requests for special list sorts will be limited to an end user list separating those that are presubscribed to the requesting customer, and/or those that are not. The rate, per record, applicable to special sorts is set forth under 6.9.1(C).

(4) Each request shall be treated as a new request. Requests for updates from previous lists will not be provided.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.9 Billing Name and Address Services (BNAS) (Cont'd)

(B) End User Validation List (Cont'd)

(5) The customer shall have fifteen (15) business days from the date of delivery of a list to request any investigation of issues arising from the provision of the list.

(6) End User Validation Lists will normally be provided to the customer within thirty calendar days after receipt of a request and within ten (10) business days of extraction, or at an interval mutually agreed upon. The administrative fee set forth under 6.9.1(C) applies per request, whether ordered on a per state, multi-state, or national level.

(7) Conditions regarding refusal or discontinuance of this service are set forth in 2.1.8.

## 6. MISCELLANEOUS SERVICES (Cont'd)

### 6.9 Billing Name and Address Services (BNAS) (Cont'd)

#### 6.9.1 Rates and Charges

(A) Per Call/Periodic BNA

| Billing Name and Address Found/Each (USOC) | Billing Name and Address Not Found/Each (BNYFX) | Processing Fee* Paper Report, Electronic Transmission, or Magnetic Tape/Each State (BNYNX) | (BNYMX) |
|---|---|---|---|
| | $.25 | $.25 | $50.00 |

(B) Data Gathering Service

| (USOC) | Per Record Accessed (D7GPR) | Processing Fee ** Paper Report, Electronic Transmission, or Magnetic Tape/Each State (D7G) |
|---|---|---|
| | $.18 | $75.00 |

(C) End User Validation List

| (USOC) | Standard Sort, Per Record Provided (BVY1X) | Transmission or Magnetic Tape/ Per Request (BVY) | Administrative Fee Paper Report, Electronic Special Sort, Per Record Provided (BVY2X) |
|---|---|---|---|
| | $.034 | $78.00 | $.054 |

* Applies once per calendar year for BNA processing done within that calendar year.
** Applies once per calendar year for DGS processing done within that calendar year.

## 7. SPECIALIZED FIA OR ARRANGEMENTS

### 7.1 General

Specialized FIA or arrangements may be provided by the Telephone Company, at the request of a customer, on an Individual Case Basis (ICB) if such FIA or arrangements meet the following criteria:

- The requested FIA or arrangements are not offered under other sections of this tariff.

- The facilities utilized to provide the requested FIA or arrangements are of a type normally used by the Telephone Company in furnishing its other services.

- The requested FIA or arrangements are provided within a Market Area.

- The requested FIA or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.

This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

### 7.2 Rates and Charges

Rates and charges and additional regulations, if applicable, for Specialized FIA or Arrangements provided on an Individual Case Basis (ICB) are filed following:

(Reserved for future use.)

**8. (Reserved For Future Use) ***

* Ancillary Services related to billing and collection functions are found in Section 5 of the Minnesota Emerging Competitive Telephone Service Price List.

## 9. Special Facilities Routing of FIA

### 9.1 Description of Special Facilities Routing of FIA

The FIA provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special routing is involved where, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access, Special Access, or Special Federal Government Services in a manner which includes one or more of the following conditions.

#### 9.1.1 Diversity

Where two or more FIA must be provided over not less than two different physical routes. Diversity is a Basic Service Element (BSE) under the Telephone Company's Open Network Architecture (ONA) Plan.

#### 9.1.2 Avoidance

Where a FIA must be provided on a route which avoids specified geographical locations.

#### 9.1.3 Cable-Only Facilities

Where certain voice grade FIA are provided on cable-only facilities to meet the particular needs of a customer. FIA is provided subject to the availability of cable-only facilities. In the event of FIA failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access as in Section 4 of this tariff; voiceband, and wideband analog Special Access as in Section 5, and Special Federal Government Services as in Section 11 of this tariff. Cable-only Facilities are available for Switched Access as in Section 4 of this tariff, voiceband Special Access as in Section 5.2.1 and Special Federal Government Services as in Section 11 of this tariff.

## 9. Special Facilities Routing of FIA (Cont'd)

### 9.1 Description of Special Facilities Routing of FIA (Cont'd)

#### 9.1.3 Cable-Only Facilities (Cont'd)

In order to identify any special routing requirement, the Telephone Company will provide the ordering customer with the required routing information for each specially routed FIA. If requested by the customer, this information will be provided when the FIA is installed and prior to any subsequent change in routing.

The rates and charges for Special Facilities Routing of FIA as in 9.2 are in addition to all other rates and charges that may be applicable for FIA provided under other sections of this tariff.

### 9.2 Rates and Charges

The rates and charges for Special Facilities Routing of FIA are as follows:

#### 9.2.1 Diversity

For each FIA provided in accordance with 9.1.1 preceding, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

#### 9.2.2 Avoidance

For each FIA provided in accordance with 9.1.2 preceding, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

## 9. Special Facilities Routing of FIA (Cont'd)

### 9.2 Rates and Charges (Cont'd)

#### 9.2.3 Diversity and Avoidance Combined

For each FIA provided in accordance with 9.1.1 and 9.1.2 preceding, combined, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

#### 9.2.4 Cable-Only Facilities

For each FIA provided in accordance with 9.1.3 preceding, the rates and charges will be developed on an Individual Case Basis and filed following:

(Reserved for Future Use)

# 10. SPECIAL CONSTRUCTION

## 10.1 General

This section contains the regulations, rates and charges applicable for Special Construction of Telephone Company facilities which are used to provide FIA offered under this tariff.

When Special Construction of FIA is required, the provisions of this section apply in addition to regulations, rates and charges set forth in other sections of this tariff.

### 10.1.1 Conditions Requiring Special Construction

Special Construction is required when facilities are not available to meet a customer's ASR and one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities constructed at the customer's request;
- The customer requests that FIA be furnished using a type of facility, or via a route, other than that which the Telephone Company would otherwise utilize in furnishing the requested FIA;
- The customer requests the construction of more facilities than required to satisfy its ASR;
- The customer requests construction be expedited resulting in added cost to the Telephone Company;
- The customer requests that temporary facilities be constructed until permanent facilities are available.

### 10.1.2 Filing of Charges

Charges and liabilities for Special Construction will be filed in 10.4, 10.5 and 10.6 following.

When Special Construction is required under conditions that preclude the filing of charges in full accordance with the Minnesota Public Utilities Commission Rules and Regulations (e.g., unavailability of cost details, short notice service date):

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.1 General (Cont'd)

#### 10.1.2 Filing of Charges (Cont'd)

(A) Notification will be made to the Minnesota Public Utilities Commission that Special Construction will be provided in accordance with this tariff.

(B) After charges have been filed and have become effective they will apply from the date that the Special Construction was provided.

(C) Charges and/or Maximum Termination Liabilities for Special Construction of facilities provided by a Connecting Carrier are developed by the Connecting Carrier and are filed by the Telephone Company in this tariff on its behalf.

(D) Regulations and charges for Special Construction of facilities provided by Other Participating Carriers are filed in their tariffs.

#### 10.1.3 Ownership of Facilities

The Telephone Company retains ownership of all specially constructed facilities, except for those facilities constructed by connecting companies or carriers, even though the customer may be required to pay Special Construction charges.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.1 General (Cont'd)

#### 10.1.4 Interval to Provide FIA

Based on available information and the type of FIA ordered, the Telephone Company will establish a scheduled date for the installation of necessary facilities. The date will be established on an Individual Case Basis and provided to the customer. The Telephone Company will make every reasonable effort to assure that the date is met. However, circumstances beyond the Telephone Company's control (e.g., backorder of components) may force a reschedule, and a new completion date will be established with the customer when appropriate.

#### 10.1.5 Special Construction Involving Interstate and Intrastate FIA

When Special Construction involves facilities used to provide both interstate and intrastate FIA, charges for the portion of the construction used to provide intrastate FIA shall be in accordance with this tariff. Charges for the portion of the construction used to provide interstate FIA shall be in accordance with the appropriate FCC tariff.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments

#### 10.2.1 General

This section describes the various charges and liabilities that apply when the Telephone Company provides Special Construction of FIA, as outlined in 10.1.1 preceding, in accordance with a customer's specific request. Once the customer is notified of all charges and liabilities, the customer must provide the Telephone Company with written approval prior to the start of construction. If more than one condition requiring Special Construction is involved, charges for each condition apply (see Conditions Requiring Special Construction, 10.1.1 preceding).

#### 10.2.2 Payment of Charges

Payment is due upon presentation of a bill for the specially constructed facilities.

#### 10.2.3 Start/End of Billing

Billing of recurring charges for specially constructed FIA starts on the day after the FIA are provided. Billing accrues through and includes the day that the specially constructed FIA are discontinued. Monthly charges will be billed one month in advance.

#### 10.2.4 Partial Payments

The Telephone Company will require a customer which has a proven history of late payments to the Telephone Company, or does not have established credit, to make a partial payment for the portion of the estimated cost of the Special Construction for which the customer is subject to a nonrecurring charge. Partial payments will be requested as costs are incurred and will be credited to the customer's account. Partial payments will not exceed the total nonrecurring charge to the customer for the Special Construction.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.5 Development of Liabilities and Charges

The customer has the option of accepting the liabilities and charges based on estimated or actual costs. Estimated costs will be used unless the customer notifies the Telephone Company of the selection of the actual cost option in writing prior to the start of Special Construction.

Under the estimated cost option, Special Construction liabilities and charges are developed based on estimated costs and will be filed in this tariff.

Under the actual cost option, if all actual costs are not available prior to the in-service date of the FIA, estimated Special Construction charges will be filed in this tariff. As soon as the actual costs, including costs of maintaining and filing these costs, are subsequently determined, the estimated charges will be adjusted to reflect the actual costs. The filed charges will then reflect actual costs existing at the time the FIA are provided.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.6 Type of Contingent Liability

Depending on the specifics associated with each individual case, the following Maximum Termination Liability may be applicable for Special Construction.

(A) Maximum Termination Liability

A MTL has two components, an amount and a specified period of time.

The amount is equal to all nonrecoverable costs, less the net salvage value, (e.g., depreciation, return, income tax associated with the specially constructed facilities). The amount will be amortized over the average account life of the specially constructed facilities. The standard liability period is the average account life of the specially constructed facilities expressed in years.

At the customer's option, an optional liability period shorter than the average account life may be established. If the customer chooses an optional liability period, the MTL amortization schedule will not change. The remaining MTL amount for the period between the expiration of the optional liability period and the expiration of the amortization schedule will be due as a lump sum payment (LS) at the time the optional liability period expires unless the case of Special Construction is extended.

Prior to the expiration of an optional liability period the customer has the option to (A) extend the use of the specially constructed FIA by establishing a new liability period, or (B) terminate the case of Special Construction and pay the lump sum payment.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.6 Type of Contingent Liability (Cont'd)

(A) Maximum Termination Liability (Cont'd)

The Telephone Company will notify the customer six months in advance of the expiration date of the optional liability period. The customer must provide the Telephone Company with written notification of its intentions to be received one month prior to expiration of the optional liability period. Failure to do so, and payment of the next month's charges, will result in extension of the case of the Special Construction and the establishment of a new liability period equal to the remaining amortization period. A Case Preparation Charge will always apply if the Special Construction case is extended.

The MTL and the liability period applicable to specific cases of Special Construction are as set forth in 10.4, 10.5, and 10.6 following.

(B) Reduction on Maximum Termination Liability

The time frames for MTL for Special Construction are expressed by an effective date and an expiration date. The MTL will be reduced for each month the Special Construction FIA is in service. For example, if the MTL period is 10 years, for each month in service the MTL would be reduced 1/120th.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.7 Types of Charges

Two categories of charges may be applicable for Special Construction. These charges are nonrecurring charges and recurring charges. These categories are described below.

(A) Nonrecurring Charges

One or more of the following nonrecurring charges may apply for each case of Special Construction: case preparation, termination, cancellation, expediting the construction, or optional payment charges.

(1) (Reserved for Future Use)

(2) Case Preparation Charge (GSEC) NASCCP

The charge for case preparation includes the administrative expense associated with preparing and listing the charges in the tariff. This expense includes such items as: (a) tariff preparation and processing, and (b) gross receipts taxes and surcharge taxes.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.7 Types of Charges (Cont'd)

(A) Nonrecurring Charges (Cont'd)

(3) Termination Charge (GSEC) NASCT

A Termination Charge applies when, at the customer's request, FIA provided on specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period.

The charge reflects the unamortized portion of the nonrecoverable cost at the time of termination of the specially constructed FIA adjusted for tax effects, for net salvage and for possible reuse. Administrative costs associated with the specific case of Special Construction and any cost for restoring a location to its original condition are also included. Termination Charges will never exceed the MTL.

(4) Cancellation Charge (GSEC) NASCC

If the customer cancels an ASR with which Special Construction is associated prior to the in-service date of the FIA, a Cancellation Charge will apply. The charge will include all nonrecoverable costs, less the net salvage value, incurred by the Telephone Company up to and including the time of cancellation.

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(A) Nonrecurring Charges (Cont'd)

(5) Expediting Charge (GSEC) NASCE

An Expediting Charge applies when a customer requests that Special Construction be completed on an expedited basis. The charge is equal to the difference in the estimated cost of construction on an expedited basis and construction without expediting.

(6) Optional Payment Charge (GSEC) NASCOP

The customer may elect to pay an Optional Payment Charge when it requests Special Construction of facilities utilizing (1) a type of facilities or (2) a route other than that which the Telephone Company would otherwise utilize in furnishing the requested service. Payment of this charge will result in a lower recurring charge for the Special Construction. This election must be made in writing, before Special Construction starts.

If this election is coupled with the actual cost option, the Optional Payment Charge will reflect the actual cost of the specially constructed facilities.

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(A) Nonrecurring Charges (Cont'd)

(6) Optional Payment Charge (Cont'd)

(a) Development of Optional Payment Charge

This charge is equal to the excess installed cost or the total nonrecoverable cost, whichever is less. (Based on estimated or actual costs as elected by the customer.)

Example 1:

| | |
|---|---|
| Total Installed Cost | $30,000 |
| Nonrecoverable | 20,000 |
| Normal Installed Cost | 17,000 |
| | |
| Total Installed Cost | $30,000 |
| Minus Normal Installed Cost | 17,000 |
| Equals Excess Installed Cost | 13,000 |
| Optional Payment Charge | 13,000 |
| | |
| Nonrecoverable Cost | $20,000 |
| Minus Optional Payment Charge | 13,000 |
| Equals Investment for MTL Computation | 7,000 |
| Remaining Recoverable Excess Installed Cost | $0 |

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(A) Nonrecurring Charges (Cont'd)

(6) Optional Payment Charge (Cont'd)

(a) Development of Optional Payment Charge (Cont'd)

Since the total installed cost is $30,000 and the normal installed cost would have been $17,000, the nonrecurring charge (optional payment) is limited to the difference, (i.e., $13,000). A Maximum Termination Liability would then be established to protect the remaining nonrecoverable cost of $7,000 which is the difference between the total nonrecoverable cost ($20,000) and the nonrecurring charge ($13,000). The remaining excess installed cost in this example is zero. In addition, a recurring charge will be developed as set forth in 10.2.7 (B) following.

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(A) Nonrecurring Charges (Cont'd)

(6) Optional Payment Charge (Cont'd)

(a) Development of Optional Payment Charge (Cont'd)

Example 2:

| | |
|---|---|
| Total Installed Cost | $30,000 |
| Nonrecoverable Cost | 10,000 |
| Normal Installed Cost | 17,000 |
| | |
| Total Installed Cost | $30,000 |
| Minus Normal Installed Cost | 17,000 |
| Equals Excess Installed Cost | 13,000 |
| Optional Payment Charge | 10,000 |
| | |
| Nonrecoverable Cost | $10,000 |
| Minus Optional Payment Charge | 10,000 |
| Equals Investment for MTL Computation | 0 |
| Remaining Recoverable Excess Installed Cost | 3,000 |

The Optional Payment Charge is limited to the nonrecoverable cost. In this example the Optional Payment Charge equals the nonrecoverable cost. Therefore, there is no Maximum Termination Liability. In addition, a recurring charge will be developed as set forth in 10.2.7 (B) following.

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(A) Nonrecurring Charges (Cont'd)

(6) Optional Payment Charge (Cont'd)

(b) Replacement Charge (GSEC) NASCR

If any portion of the specially constructed FIA, for which an Optional Payment Charge has been paid, requires replacement involving capital investment, a charge for replacement will apply. This charge will be in the same ratio as the initial Optional Payment Charge was to the installed cost of the specially constructed FIA. The customer will be notified in writing that the replacement is required. Replacement will not be made without the customer's ASR. If any portion of the FIA subject to the replacement charge fails, the FIA will not be restored until the customer orders the replacement.

Example:

| | |
|---|---|
| Original Total Installed Cost | $30,000 |
| Original Optional Payment Charge | $15,000 |
| Subsequent Cost of Replacement | $ 2,000 |

Original Optional Payment Charge x
$$\frac{\text{Replacement Cost}}{\text{Total Installed Cost}}$$

$$\frac{\$15{,}000 \times 2{,}000}{\$30{,}000} = 1{,}000$$

Replacement Charge $ 1,000

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.7 Types of Charges (Cont'd)

(B) Recurring Charges

These charges apply on a monthly or annual basis for specially constructed FIA. There are three conditions for which recurring charges apply:

- When a customer requests the construction of more facilities than are necessary to provide the FIA currently ordered.
- When a customer requests a facility route or type other than that which the Telephone Company would utilize to provide FIA.
- When a customer's request results in the Telephone Company leasing transmission or other equipment from private vendors to provide FIA (Lease Charge).

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(B) Recurring Charges (Cont'd)

(1) Excess Capacity Charge

An Excess Capacity Charge applies when the customer requests more facilities be constructed than are required to satisfy the customer's ASR. The charge is based on the estimated cost difference between the facilities constructed at the customer's request and the facilities actually required to meet the customer's ASR.

Example:

A customer has an immediate FIA requirement which would require a 100 pair cable but requests the installation of a 300 pair cable to allow for growth.

| | |
|---|---|
| Total Installed Cost (300 Pair) | $2,500 |
| Estimated Annual Cost | $ 920 |
| Estimated Installed Cost (100 Pair) | $1,000 |
| Estimated Annual Cost | $ 368 |

Excess Recurring Charge:
Annually $920 - $368 = $552

Monthly $552 / 12 = $46

This charge applies until such time as the customer orders sufficient FIA to necessitate use of a larger size cable (e.g., 200 pair cable). At that time the recurring charge is adjusted as indicated in the following example:

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(B) Recurring Charges (Cont'd)

(1) Excess Capacity Charge (Cont'd)

| | |
|---|---|
| Total Installed Cost (300 Pair) | $2,500 |
| Estimated Annual Cost | $ 920 |
| Estimated Installed Cost (200 Pair) | $1,900 |
| Estimated Annual Cost | $ 683 |

Excess Recurring Charge:
Annually $920 - $683 = $237

Monthly $237 / 12 = $19.75

The charge is revised in this manner until the number of FIA being provided would require a 300 pair cable, at which time the Excess Capacity Charge is no longer applied. The charge would be reapplied if the number of FIA declined to a level which would not require a 300 pair cable.

Such charges will continue to apply to all facilities held in abeyance until the period of termination liability expires. If facilities are still held in abeyance after the termination liability expires, a new schedule of rates will be calculated and such rates will apply as long as facilities are held in abeyance for the customer.

(2) (Reserved for Future Use)

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(B) Recurring Charges (Cont'd)

(3) Charge for Route or Type Other Than Normal (GSEC) ASCR/T

When the customer requests Special Construction using a route or type of FIA other than that which the Telephone Company would normally use, a recurring charge is applicable. The charge is the difference between the estimated recurring costs of the specially constructed FIA and the estimated recurring costs of the FIA the Telephone Company would normally use. The charge will be no greater than the recurring costs of the specially constructed FIA.

(a) If the customer elects to pay an Optional Payment Charge, the portion of the recurring charge for the excess investment covered by the optional payment excludes capital cost items (depreciation, return on investment and Federal income tax on that return). The remaining recurring expense cost items associated with the optional payment (maintenance, administration, and other taxes) are increased by a ten percent management fee and will be included in the recurring charge.

The portion of any recurring charge associated with any remaining Special Construction investment will include both capital and expense costs. The ten percent management fee is not applied to this portion of the recurring charge.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.7 Types of Charges (Cont'd)

(B) Recurring Charges (Cont'd)

(3) Charge for Route or Type Other Than Normal (Cont'd)

(a) (Cont'd)

DEVELOPMENT OF RECURRING MONTHLY CHARGE FOR OPTIONAL PAYMENTS

For example 1 see 10.2.7(A)(6)(a)

| | | SPECIAL ROUTE OR TYPE FIA | | | NORMAL |
|---|---|---|---|---|---|
| | | A | B | C | D |
| | | Optional Payment Nonrecurring Charge For Special Const. FIA | Specially Constructed Fia Less Nonrecurring Charges | Existing Facilities | Normal Route/Type Facilities |
| | | $13,000 | $17,000 | | $17,000 |
| 1. | Depreciation | - | $ 1,122 | | $ 408 |
| 2. | Federal Income Tax Return | - | 2,142 | | 2,346 |
| 3. | Maintenance | $ 1,131 | 1,479 | | 799 |
| 4. | Administration | 455 | 595 | | 595 |
| 5. | Other Taxes | 286 | 37 | | 374 |
| 6. | Sub Total | 1,872 | - | - | - |
| 7. | 10% x Line 6 | 187 | - | - | - |
| 8. | Totals | (A) $2,059 | (B) $ 5,712 | (C) | (D) $ 4,522 |

A + B = $ 7,771
A + B + C = 7,771
(A + B+ C) - D = 3,249

Excess Recurring Charge:* Annually $3249.00 Monthly $ 270.75

*The lower of (A+B+C)-D, or (A+B)

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.7 Types of Charges (Cont'd)

(B) Recurring Charges (Cont'd)

(3) Charge for Route or Type Other Than Normal (Cont'd)

(a) (Cont'd)

For example 2 see 10.2.7(A)(6)(a)

| | SPECIAL ROUTE OR TYPE FIA | | | NORMAL |
|---|---|---|---|---|
| | A<br>Optional Payment Nonrecurring Charge For Special Const. FIA<br>$10,000 | B<br>Specially Constructed Fia Less Nonrecurring Charges<br>$20,000 | C<br>Existing Facilities | D<br>Normal Route/Type Facilities<br>$17,000 |
| 1. Depreciation | - | $ 1,320 | | $ 408 |
| 2. Federal Income Tax and Return | - | 2,520 | | 2,346 |
| 3. Maintenance | $ 870 | 1,740 | | 799 |
| 4. Administration | 350 | 700 | | 595 |
| 5. Other Taxes | 220 | 440 | - | 374 |
| 6. Sub Total | 1,440 | - | - | - |
| 7. 10% x Line 6 | 144 | - | - | - |
| 8. Totals | (A) $ 1584 | (B) $ 6720 | (C) | (D) $ 4,522 |

A + B = $8,304
A + B + C = 8,304
(A + B + C) - D = 3,782

Excess Recurring Charge: * Annually $3,782.00 Monthly $ 315.17

*The lower of (A+B+C)-D, or (A+B)

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.2 Liabilities, Charges and Payments (Cont'd)**

**10.2.7 Types of Charges (Cont'd)**

(B) Recurring Charges (Cont'd)

(3) Charge for Route or Type Other Than Normal (Cont'd)

(b) If the customer has elected the actual cost option, the recurring charge will be adjusted to reflect the actual cost of the new construction when the cost is determined. This adjusted recurring charge is applicable from the start of FIA.

(4) Lease Charge (GSEC) ASCL

A Lease Charge applies when the Telephone Company leases equipment, (e.g., portable microwave equipment) in order to provide FIA to meet the customer's requirements. The amount of the charge is the net added cost to the Telephone Company caused by the lease.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.8 Application of Charges

The charges for Special Construction are those charges which are in effect for the period that the Special Construction is furnished. If the charges for a period covered by a bill change after the bill has been rendered, the bill will be adjusted to reflect the new charges. Charges are based on Special Construction of (A) permanent FIA or (B) temporary FIA.

(A) Special Construction of Permanent FIA

(1) Special Construction When Not Available and There is No Other Requirement for Them

When permanent FIA are not available and the Telephone Company constructs them and there is no other Telephone Company need for the specially constructed FIA, a nonrecurring charge, and a Maximum Termination Liability may be applicable.

(2) Special Construction Using a Route or Type of FIA Other Than Normal

When the specially constructed FIA involve a route or type of FIA other then that which the Telephone Company would ordinarily use, charges are based on the difference between the estimated costs of the specially constructed FIA and those the Telephone Company would ordinarily use. A nonrecurring charge, a recurring charge, and a Maximum Termination Liability may be applicable.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.2 Liabilities, Charges and Payments (Cont'd)

#### 10.2.8 Application of Charges (Cont'd)

(A) Special Construction of Permanent FIA (Cont'd)

(3) Special Construction of a Greater Quantity of FIA Than Necessary to Satisfy the Customer's Order for Service

When the Telephone Company constructs more FIA than is required to satisfy the customer's ASR, additional charges will apply. These charges may include a nonrecurring charge, a recurring charge, and a Maximum Termination Liability.

(4) Special Construction Expedited at Greater Cost Than Would Otherwise be Incurred

When construction is expedited resulting in added costs, a nonrecurring Expediting Charge applies.

(B) Special Construction of Temporary FIA Order

When permanent FIA are not available and temporary FIA are constructed pending the construction of permanent FIA, a nonrecurring charge, and a Maximum Termination Liability may be applicable.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.3 Deferral of the In-Service of FIA

#### 10.3.1 General

The customer may request the Telephone Company to defer the in-service of FIA on specially constructed FIA subject to the provisions as set forth in 3.2.2(B) preceding. If the deferral is not in compliance with the provisions as set forth in 3.2.2(B), the Special Construction case is considered to be cancelled and cancellation charges apply. Requests for deferral must be in writing and are subject to the following regulations.

#### 10.3.2 Construction Has Not Started

If the Telephone Company has not incurred any costs (e.g., engineering and/or installation) before receiving the customer's request for deferral, no charge applies other than the Case Preparation Charge. However, the original quotation is subject to Telephone Company review at the time of reinstatement to determine if the original charges are still valid. Any change in liabilities and charges requires the concurrence of the customer in writing. Additional Case Preparation Charges will also apply.

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.3 Deferral of the In-Service of FIA (Cont'd)

#### 10.3.3 Construction Has Started But Is Not Complete

If the construction of FIA has started, but has not been completed, before the Telephone Company receives the customer request for deferral, charges apply. The charges vary depending on whether all or some of the FIA ordered are deferred.

(A) All FIA Are Deferred

When all FIA involving Special Construction are deferred, a charge equal to the costs incurred during each month of the deferral applies. Those costs include the recurring costs for that portion of the FIA already completed and any other costs associated with the deferral. The Case Preparation Charge also applies.

(B) Some But Not All FIA are Deferred

When some, but not all, FIA utilizing the specially constructed FIA are deferred, the Special Construction case will be completed. Maximum Termination Liability will apply in addition to Case Preparation Charges and any recurring charges associated with the Special Construction.

#### 10.3.4 Construction Complete

If the construction of FIA has been completed before the Telephone Company receives the customer's request for deferral, the Case Preparation Charge, as originally determined, will apply and any recurring charges associated with the Special Construction. The maximum termination liability period will begin when the customer accepts the service.

**10. SPECIAL CONSTRUCTION (Cont'd)**

**10.4 Charges for Customers Choosing the Optional Liability Period to Provide Permanent FIA**

**10.4.1 (Reserved for Future Use)**

**10.4.2 Charges**

(A) Charges (Joint and Other )

| Customer Name/ Effective Date | Description and Location | MTL/NRC MRC/LS | Telco | Expiration Date |
|---|---|---|---|---|

(Reserved for Future Use)

(B) Charges

| Customer Name/ Effective Date | Description and Location | MTL/NRC MRC/LS | Telco | Expiration Date |
|---|---|---|---|---|

(Reserved for Future Use)

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.5 Charges for Customers Choosing the Standard Liability Period to Provide Permanent FIA

This section contains the Special Construction charges to provide permanent FIA to individual customers. Charges are developed on an Individual Case Basis for a specific customer and filed in this section.

#### 10.5.1 Charges (Joint and Other)

| Customer Name/ Effective Date | Description and Location | MTL/NRC MRC/LS | Telco | Expiration Date |
|---|---|---|---|---|

(Reserved for Future Use)

#### 10.5.2 Charges

| Customer Name/ Effective Date | Description and Location | MTL/NRC MRC/LS | Telco | Expiration Date |
|---|---|---|---|---|

(Reserved for Future Use)

## 10. SPECIAL CONSTRUCTION (Cont'd)

### 10.6 Charges to Provide Temporary FIA

This section contains the Special Construction charges to provide temporary facilities to individual customers. Charges are developed on an Individual Case Basis for a specific customer and filed in this section.

#### 10.6.1 Charges (Joint and Other)

| Customer | Description and Location | Obligation | Effective Date |
|---|---|---|---|

(Reserved for Future Use)

#### 10.6.2 Charges

| Customer | Description and Location | Obligation | Effective Date |
|---|---|---|---|

(Reserved for Future Use)

## 11. SPECIAL FEDERAL GOVERNMENT FIA

### 11.1 General

This section covers FIA that are provided for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. FIA provided to state emergency operations centers are included. These FIA provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

FIA for command and control communications and for national security and emergency preparedness are sometimes required within a short timeframe. These provisions are especially needed to meet presidential requirements or in response to natural, man made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of FIA under these conditions may require the availability of facilities, such as portable microwave equipment, etc., which are provided on a temporary basis.

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.2 Emergency Conditions

These FIA will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").

Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad (includes space vehicle recovery and protection efforts).

Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.

The Director (Cabinet level) of a Federal Department, Commander of a Unified/Specified Command, or Head of a Military Department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.

Political unrest in foreign countries which affect the National Interest.

Presidential Service.

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.3 Intervals to Provide FIA

ASRs may be placed under the provisions set forth in 3.2.1 preceding.

### 11.4 (Reserved for Future Use)

### 11.5 Safeguarding of FIA

#### 11.5.1 (Reserved for Future Use)

#### 11.5.2 FIA Availability

In order to insure communications during periods of emergency, the Telephone Company will (within the limits of good management) make available the necessary facilities to restore FIA in the event of damage or to provide temporary emergency FIA.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary, to provide FIA.

### 11.6 Federal Government Regulations

FIA provided to the Federal Government will be billed in arrears, as required by Federal procurement or disbursement regulations, or as established by law. ICs providing service to the Federal Government are not entitled to the benefits of those laws or regulations providing for billing the Federal Government in arrears.

### 11.7 (Reserved for Future Use)

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.8 FIA Offerings to the Federal Government

The following FIA are provided only for agencies or branches of the Federal Government. Access Services provided to the Federal Government but not specified in the following will be provided in accordance with the regulations and at the rates contained in other sections of this tariff.

#### 11.8.1 Type and Description

(A) Voiceband Special Access

(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50000 Hz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between two or more customer designated locations and an end user's premises. Special Access is conditioned as follows:

T-3 Conditioning - The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz
13 dB at 100 Hz
12 dB at 1000 Hz
20 dB at 10000 Hz
30 dB at 50000 Hz

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.8 FIA Offerings to the Federal Government (Cont'd)

#### 11.8.1 Type and Description (Cont'd)

(A) Voiceband Special Access (Cont'd)

(1) Voice Grade Secure Communications Type I (Cont'd)

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0 dB at 1000 Hz
± 1 dB between 1000 Hz and 40000 Hz
± 2 dB between 10 Hz and 50000 Hz
(+ means more loss)

The net loss of the conditioned Special Access (with or without additional conditioning) shall not vary by more than 4 dB at 1000 Hz from the levels specified above. Voice frequency signaling or supervisory tones can be transmitted.

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.8 FIA Offerings to the Federal Government (Cont'd)

#### 11.8.1 Type and Description (Cont'd)

(A) Voiceband Special Access (Cont'd)

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between a customer designated location and an end user's premises. Special Access is conditioned as follows:

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type I Special Access without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.8 FIA Offerings to the Federal Government (Cont'd)

#### 11.8.1 Type and Description (Cont'd)

(A) Voiceband Special Access (Cont'd)

(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between a customer designated location and an end user's premises. Special Access is conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the customer designated location to the end user's premises shall be the same as Voice Grade Secure Communications Type I, Special Access without additional conditioning; and from the end user's premises to the customer designated location shall be the same as Voice Grade Secure Communications Type I Special Access with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.8 FIA Offerings to the Federal Government (Cont'd)

#### 11.8.1 Type and Description (Cont'd)

(A) Voiceband Special Access (Cont'd)

(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50000 Hz. Furnished on four-wire metallic facilities for duplex operations for two-point secure communications between two customer designated locations. Special Access is conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I Special Access with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(B) Special Wideband Digital Special Access

Special Access arrangements for secured communications to accommodate the transmission of binary digital baseband signals in a random polar format.

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.8 FIA Offerings to the Federal Government (Cont'd)

#### 11.8.1 Type and Description (Cont'd)

(B) Special Wideband Digital Special Access (Cont'd)

(1) Wideband Secure Communications Type I

For transmission at the rate of 18,750 bits per second.

(2) Wideband Secure Communications Type II

For transmission at the rate of 50,000 bits per second.

(3) Wideband Secure Communications Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of 20 microseconds at a rate of 50,000 bits per second.

To accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50,000 bits per second.

#### 11.8.2 Mileage Application

Mileage for rate application is the airline distance measured between the two related Special Access terminating points (i.e., customer designated location and end user premises).

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.8 FIA Offerings to the Federal Government (Cont'd)

#### 11.8.3 Rates and Charges

(A) Voiceband Special Access

The provision of T-3 and G conditioned Special Access contemplates station and tandem switching operations using customer provided equipment, as well as Special Access. Separate narrowband or voice grade Special Access, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

| Voice Grade Secure Communications | Monthly Rates | Nonrecurring Charges | Termination Charges |
|---|---|---|---|
| Type I, each T-3 Conditioning | ICB rates and charges apply | | |
| Additional Conditioning, per Special Access termination | ICB rates and charges apply | | |
| Type II, each G-1 Conditioning | ICB rates and charges apply | | |
| Type III, each G-2 Conditioning | ICB rates and charges apply | | |
| Additional Conditioning, per Special Access termination | ICB rates and charges apply | | |
| Type IV, each G-3 Conditioning | ICB rates and charges apply | | |
| Additional Conditioning, per Special Access termination | ICB rates and charges apply | | |

## 11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)

### 11.8 FIA Offerings to the Federal Government (Cont'd)

#### 11.8.3 Rates and Charges (Cont'd)

(B) Special Wideband Digital Special Access

| Wideband Secure Communications | Monthly Rates | Nonrecurring Charges | Termination Charges |
|---|---|---|---|
| Type I, each | ICB rates and charges apply | | |
| Type II, each | ICB rates and charges apply | | |
| Type III, each | ICB rates and charges apply | | |

(C) Move Charges

When a Special Access requiring T-3 conditioning, T-3 additional conditioning, or a Special Access requiring G conditioning as set forth in (A) preceding, is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.

When any FIA for which a termination charge is specified is moved and is installed at a new location the customer may elect:

(1) to pay the unexpired portion of the termination charge for the FIA, if any, with the application of a nonrecurring charge and the establishment of a new termination charge for such FIA at the new location, or

**11. SPECIAL FEDERAL GOVERNMENT FIA (Cont'd)**

**11.8 FIA Offerings to the Federal Government (Cont'd)**

**11.8.3 Rates and Charges (Cont'd)**

(C) Move Charges (Cont'd)

(2) to continue the FIA subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such FIA, provided that the customer requests these charges be quoted prior to ordering the FIA move. Charges for moving such FIA will be based on estimated costs attributable to the move.

Move charges include the estimated costs of removal, restoration of FIA necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, taxes, and any other specific items of cost directly attributable to the move.

## 12. Carrier Common Line Service (Cont'd)

### 12.4 Rates and Charges

(A) (Reserved for Future Use)

(B) The rate for Carrier Common Line Access is:

| Transitional Charge | Rate | |
|---|---|---|
| - Premium Access, per minute | | |
| - Terminating | $0.0 | |
| - Originating – Non 800/888 | .0060143 | (C) |
| - Originating – 800/888 | * | (N) |
| - Non Premium Access, per minute | | |
| - Terminating | $0.0 | |
| - Originating – Non 800/888 | .0027064 | (C) |
| - Originating – 800/888 | * | (N) |

* See Frontier Companies Tariff FCC No. 1 for rates. (N)

**13. (Reserved for Future Use)**

## 14. EXCEPTIONS TO FIA OFFERINGS

### 14.1 General

The FIA/Services offered under the provisions of this tariff are subject to availability as set forth in 2.1.4 preceding.

### 14.2 The following items are offered only to existing ICs and/or end users at their existing points of presence and/or premises, respectively, associated with existing FIA arrangements:

(Reserved for future use)

### 14.3 The following items are offered only to existing ICs and/or end users at their existing points of presence and/or premises, respectively, associated with existing FIA arrangements and to fill out existing capacity:

(Reserved for future use)

**15. (Reserved for Future Use)**