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SPECIALIZED SERVICES

D. <u>E911 ALTERNATE NETWORK ROUTING</u> (Continued)

4. RATES AND CHARGES (Continued)

	N	onrecurring		Monthly
	GSEC	Charge	<u>GSEC</u>	<u>Rate</u>
Proctor				
Mini-Pac WithOUT Monitoring				
1st trunk	911MINPNRC	\$469.00	911MINP	\$122.36
Additional trunk	911MINPANRC	347.00	911MINPA	106.42
Mini-Pac With Monitoring 1st trunk Additional trunk	911MINPMNRC 911MINPMANRC	469.00 347.00	911MINPM 911MINPMA	136.62 120.68
Shelf System WithOUT Monitoring 1st trunk	911CDUPSSNRC	545.00	911CDUPSS	172.64
Additional trunk	911CDUPSSANRC	268.00	911CDUPSSA	58.10
Shelf System With Monitoring				
1st trunk	911CDUMNRC	545.00	911CDUM	198.57
Additional trunk	911CDUMANRC	268.00	911CDUMA	62.63

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By: G. Clay Bailey, Vice President Regulatory Affairs PO Box 4065, Monroe, Louisiana 71211 Effective:

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SPECIALIZED SERVICES

D. <u>E911 ALTERNATE NETWORK ROUTING</u> (Continued)

4. RATES AND CHARGES (Continued)

	N GSEC	Onrecurring Charge	<u>GSEC</u>	Monthly <u>Rate</u>
Expansion Shelf	911CDUSSXNRC	\$ 268.00	911CDUSSX	\$ 81.75
PSAP Responder 1st Additional	911CAUMNRC 911CAUMANRC	431.00 431.00	911CAUM 911CAUMA	138.10 134.70
Central Office Responder 1st Additional	911CTUCONRC 911CTUCOANRC	431.00 431.00	911CTUCO 911CTUCOA	85.44 54.62
Optional 4/2 Wire Converter	911CONV2WNRC	10.00	911CONV2W	15.85
Cellular Transceiver	911CELLTRPNRC	347.00	911CELLTRP	70.26
Cellular Antenna 3 dB 9 dB	911CELLANTP3NRC 911CELLANTP9NRC		911CELLANTP3 911CELLANTP9	
Telular PhoneCell 1M Transceiver 4M Transceiver	911CELLTR1NRC 911CELLTR4NRC	640.00 690.00	911CELLTR1 911CELLTR4	43.26 131.24
Cellular Antenna 3 dB 12 dB	911CELLANTT3NRC 911CELLANTT12NF		911CELLANTT3 911CELLANTT1	

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SPECIALIZED SERVICES

E. PRIVATE SWITCH EMERGENCY SERVICE

1. GENERAL

Private Switch (PS) 911 Service allows a Public Safety Answering Point (PSAP) to receive either Automatic Number Identification (ANI) or a combination of ANI and Automatic Location Identification (ALI) information from 911 calls originating from Direct Inward Dial (DID) stations served by a private switch.

The Private Switch Providers (PSP) referred to in this tariff might include such organizations as: schools, nursing homes, hospitals, and planned communities.

2. DEFINITIONS

911 Customer - May be a municipality, a council of governments, a communication district, or other state or local governmental unit, or an authorized agent of one or more municipalities or other state or local governmental units to whom authority has been given to operate Emergency Number Service (911).

Administrative Site - A customer designated location responsible for the administration of end user records associated with one or more private switches. The site has the capability of creating and conveying Private Switch End User (PSEU) information to the CenturyTel ALI ENTRY GATEWAY. The PS 911 Administrator is responsible for the functioning of this location.

Automatic Location Identification (ALI) Database - A database of records, by Directory Number, of subscribers' addresses, names, telephones numbers and Emergency Service Numbers (ESNs) to be used for 911 Emergency Telephone Service.

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SPECIALIZED SERVICES

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E. PRIVATE SWITCH EMERGENCY SERVICE

2. **DEFINITIONS** (Continued)

C911 Service - Service which automatically routes 911 calls to a PSAP and provides only the calling telephone number, through Automatic Number Identification (ANI), to the PSAP attendant answering the call.

Data Management System (DMS) - The combination of manual procedures and computer programs used to create, store, manipulate and update the data required to provide selective routing and ALI.

Directory Number (DN) - A seven-digit number assigned within an area code to uniquely identify a telephone subscriber. The ANI generated with each 911 call forwards the DN digits to the appropriate Public Safety Answering Point (PSAP).

E911 Service (or Enhanced 911) - Service which automatically routes 911 calls to a PSAP and provides the calling telephone number and associated address to the PSAP attendant answering the call.

Emergency Service Number (ESN) - A number code used in the Database Management System (DMS) for the routing of 911 calls. The ESN designates the public safety agencies responsible for service to the location of each telephone in a 911 service area.

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SPECIALIZED SERVICES

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E. <u>PRIVATE SWITCH EMERGENCY SERVICE</u>

2. **DEFINITIONS** (Continued)

CenturyTel PS ALI ENTRY - A personal computer (PC) software program that automates the process of building ALI records of Private Switch End Users (PSEU) in the National Emergency Number Association (NENA) Standard Format. It provides limited accuracy checks to aid preparation of ALI records to be uploaded into the Telephone Company Mechanized Assignment Record Keeping (MARK) database.

CenturyTel PS ALI GATEWAY - A Telephone Company computer facility that interfaces with the PS Provider Administrative Site to receive PS End User ALI updates from the Administrative Site and to return error reports for correction. Access to the gateway will be via a dial up modem using a common protocol.

Master Street Address Guide (MSAG) - A database of street names and address ranges within their associated postal communities defining emergency service zones for 911 purposes.

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SPECIALIZED SERVICES

PRIVATE SWITCH EMERGENCY SERVICE Ε.

2. **DEFINITIONS** (Continued)

Nonlisted Service - Subscriber name, address and telephone number information that is not listed in the published telephone directory but is available through directory assistance services.

Nonpublished Service - Subscriber name, address and telephone number information not listed in the published telephone directory nor available through directory assistance services.

P.01 Transmission Grade of Service (GOS) - Trunk facility provisioning with the statistical probability of no more than one call in a hundred shall be blocked on initial attempt during the average busy hour.

Point of Concentration - A network switch that enables the quantity of incoming trunks to be reduced to a smaller quantity of outgoing trunks, without degrading the quality of transmission. 911 Selective Routers and tandems perform the Point of Concentration function among others.

Private Switch (PS) - A private telephone switch serving a particular organization or business usually located on a customer's premises. The PS is connected by a common group of trunks to one or more Telephone Company central offices to provide Public Switched Network services to a number of station lines. A Private Switch can be a PBX or PABX.

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SPECIALIZED SERVICES

E. PRIVATE SWITCH EMERGENCY SERVICE

2. **DEFINITIONS** (Continued)

Private Switch ALI Service Trunk - A Centralized Automatic Message Accounting (CAMA)-type trunk, dedicated to routing 911 calls from a PS to a Selective Router, to a Tandem, to a central office serving a PSAP or to a PSAP. The termination of this trunk is determined by the network configuration and PSAP terminating equipment. The Service Trunk is designed with the PS as an equivalent to an end office and transmits the voice and ANI of the 911 caller.

Private Switch End User (PSEU) - An individual authorized to use the telephone services of a private switch via a station line. Each station line is associated and identified with one individual.

Private Switch Provider (PSP) - A private entity that provides telephone service to end users via a private switch.

Private Switch 911 Site Administrator - A person assigned, by the PSP, the responsibility of establishing and maintaining PS 911 Service location information of each PSEU via the CenturyTel PS ALI program.

Public Safety Answering Point (PSAP) - A municipal, county or state operated telecommunications center for answering 911 Emergency Service calls.

Selective Router (SR) - A central office that has the capability of routing incoming 911 calls and ANI to the PSAP serving the caller.

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SPECIALIZED SERVICES

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E. <u>PRIVATE SWITCH EMERGENCY SERVICE</u>

3. DESCRIPTION

Private Switch ALI Service (PS ALI 911 Service) is an offering which enables either (1) Automatic Number Identification (ANI) or (2) ANI and Automatic Location Identification (ALI) to be provided to a Public Safety Answering Point (PSAP) by 911 calls originating from Private Switch stations/lines assigned a directory number that is directly accessible from the public switched network.

The ANI-only option is available if the 911 Customer subscribes to C911 service and has established dedicated routing from the central office serving the PSAP to a Point of Concentration or to the serving PSAP. Also the 911 Customer is responsible for assuring that the Private Switch Provider (PSP):

- a. Orders a block(s) of sequential Directory Numbers (DNs) from which each of the Private Switch End Users (PSEUs) is assigned an individual DN,
- b. Orders a minimum of two (2) PS 911 Service Trunks or the quantity necessary to maintain a P.01 Transmission Grade of Service to connect the PSP's switch to its serving central office and
- c. Has a switch capable of forwarding the ANI of each PSEU's directory number to the 911 Service Trunk when 9-1-1 or 9-9-1-1 is dialed.

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SPECIALIZED SERVICES

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E. PRIVATE SWITCH EMERGENCY SERVICE

3. **DESCRIPTION** (Continued)

The ANI/ALI Option is available if the 911 Customer subscribes to E911 Service and establishes dedicated routing from the central office serving the PSP to a Point of Concentration or to the serving PSAP. Also the 911 Customer is responsible for assuring that the PSP:

- a. Orders a block(s) of sequential Directory Numbers (DNs) from which each of the Private Switch End Users (PSEUs) is assigned an individual DN,
- b. Orders a minimum of two (2) PS 911 Service Trunks or the quantity necessary to maintain a P.01 Transmission Grade of Service to connect the PSP's switch to its serving central office,
- c. Has a switch capable of forwarding the ANI of each PSEU's directory number to the 911 Service Trunk when 9-1-1 or 9-9-1-1 is dialed,
- d. Uses the CenturyTel PS ALI ENTRY to maintain and forward PS End Users DNs and location information, in the NENA Standard format, to the Company with necessary updates to keep records current.
- e. Responds to requests from the Company to make corrections to record errors by uploading corrected records within one working day.

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E. PRIVATE SWITCH EMERGENCY SERVICE

4. AVAILABILITY OF SERVICE

Service availability is dependent upon the type and configuration of the 911 network in place in the service area.

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Private Switch to serving Central Office: The basic requirement is for the Private Switch to be treated as if it is a central office, therefore, dedicated PS 911 Service trunks are required from the Private Switch to its serving central office. There must be a minimum of two PS 911 Service trunks or a quantity that will maintain a P.01 Transmission Grade of Service. The 911 Customer is responsible for ensuring that this standard is met.

Point of Concentration: When the projected addition of PSP 911 trunking to the PSAP reaches an expense that exceeds the cost of adding a selective router or a 911 tandeming feature in the 911 network, the 911 Customer and the Company should consider establishing a network Point of Concentration to reduce the number of dedicated trunks while maintaining a minimum of P.01 transmission grade of service. This can be done by routing the dedicated 911 trunks from the PSP to the Point of Concentration. From the Point of Concentration to the PSAP, only the quantity of 911 trunks that are required to maintain a P.01 transmission grade of service for the expected traffic from the total number of PSPs and central offices are provisioned.

The Point of Concentration may be added by ordering Selective Routing from Schedule A-12 or ordering 911 Tandeming in a central office from this tariff.

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E. <u>PRIVATE SWITCH EMERGENCY SERVICE</u>

4. AVAILABILITY OF SERVICE (Continued)

Termination at the PSAP: If additional lines, trunks or termination are required from the Point of Concentration to the PSAP to handle PS 911 Service and/or if additional local loop connections or terminations are required at the PSAP end, regardless of whether there is a Point of Concentration or not, the cost of these additions is the responsibility of the 911 Customer.

5. TECHNICAL SPECIFICATIONS

Network interface requirements for the PS 911 Customer access are described in detail in the PS 911 Technical Interface Standards.

6. APPLICATION FOR SERVICE

Application for this service must be provided to the Telephone Company in writing from the 911 Customer. Each application must include the following information:

- a. Business name and address of the Private Switch Provider (PSP),
- b. PSP service locations by street address and connectivity arrangements to the Company's network,
- c. Quantity of PS End User stations to be served and
- d. Name, address and telephone number of the PSP's 911 Site Administrator.

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SPECIALIZED SERVICES

E. PRIVATE SWITCH EMERGENCY SERVICE

7. CUSTOMER OBLIGATIONS

The 911 Customer is responsible for coordinating with the PS Provider to ensure that the private switch is equipped with a minimum of two 911 Service Trunks or a quantity that will maintain a minimum of P.01 Transmission Grade of Service.

The 911 Customer is responsible for coordinating with the PSP to ensure that the Private Switch provides full seven-digit Automatic Number Identification (ANI) according to the technical specifications established by the Company. The Private Switch number information must be approved by the Company prior to implementation to ensure that the service will function properly.

PS 911 Service will function properly only if ANI is in the correct format, if sequential directory numbers are assigned for each station, if there is at least one pair of PS 911 service trunks from the private switch to the central office and if each station can be reached by dialing its DID number from the public switched network.

After the 911 Customer approves the PSP's application, the 911 Customer is responsible for enabling the PSP to establish and maintain a database of Private Switch End User (PSEU) records, and ensuring that those records are transmitted to the Company. This may be accomplished by ordering and installing the CenturyTel PS ALI Entry software.

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E. PRIVATE SWITCH EMERGENCY SERVICE

7. CUSTOMER OBLIGATIONS (Continued)

For each PSP location, a PS 911 Site Administrator must be assigned to perform the PSP's record management tasks. This Site Administrator need not be on the PSP's premises and may be an employee of a third party private switch database service.

The PS Site Administrator is responsible for either (1) installing the CenturyTel PS ALI Entry software and computer at the location appropriate to the tasks and ensuring that an access line connection to the public switched network is available for modem connection, or (2) establishing a third party's private switch database service and transmission facilities, to provide the PSEU records to CenturyTel. The Site Administrator will transmit the file to the Company in accordance with the "CenturyTel PS ALI Entry User's Guide." The transmission requirements are the same regardless of whether the Site Administrator uses CenturyTel's program or a third party's.

For each PSEU's building location, the 911 Customer is responsible for providing the PS 911 Site Administrator the appropriate street address and community name, as stated in the 911 Customer's Master Street Address Guide (MSAG).

The accuracy of the PSEU location information and the transmission of any record change information to the Company, within one working day, is the responsibility of the PSP Site Administrator. The 911 Customer is responsible for ensuring that the PS provider meets the 911 Customer's standard of timeliness in reporting PS End User ALI updates to the Company.

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E. PRIVATE SWITCH EMERGENCY SERVICE

7. CUSTOMER OBLIGATIONS (Continued)

PS 911 Service information consisting of name, address and telephone number of the PS End Users is confidential. The 911 Customer agrees to use such information only for the purpose of responding to emergency calls.

The PS End User forfeits the privacy afforded by nonlisted and nonpublished services to the extent that the telephone number, the address and the name associated with the originating station location are furnished to the PSAP and to the Company.

The PS End User consents to the storage and retention of the PSEU's name, telephone number and address in the database and also consents to access to this information by the PSAP and Emergency Response Agencies to which the call may be transferred for the sole purpose of responding to an emergency call.

The 911 Customer is responsible for coordinating with the PSP for developing and implementing procedures to prevent the unauthorized or illegal use of the End User's name, telephone and address in the database.

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PRIVATE SWITCH EMERGENCY SERVICE Ε.

7. CUSTOMER OBLIGATIONS (Continued)

The rates charged for PS 911 Service do not include, and the Company does not undertake, the tasks of inspection or constant monitoring to discover errors, defects nor malfunctions in the service.

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The 911 Customer has the responsibility for reporting all errors, defects and malfunctions to the Telephone Company. The 911 Customer and the Company will jointly establish procedures to facilitate this process.

Cancellation of service in whole or in part by the PS Provider prior to establishment thereof, will require payment to the Company of an amount equal to the cost of engineering, manufacturer's billing resulting from equipment orders, installation, assembly, labor, cost of removal and any other costs incurred by the Company up to the time of cancellation resulting from the customer's order for service.

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SPECIALIZED SERVICES

E. PRIVATE SWITCH EMERGENCY SERVICE

8. RESPONSIBILITIES OF THE COMPANY

The Company's liability for interruption, failure, errors, acts, omissions or other occurrences related to PS 911 Service shall be limited to the same extent as set forth elsewhere in Section 46 of this tariff regarding 911 Service and in other applicable sections of the Company's tariffs.

1.

PS 911 Service is provided solely for the benefit of the PS Provider and the 911 Customer. The provision of PS 911 Service shall not be interpreted, construed or regarded as being either expressly or implied for the benefit of, or creating any obligation toward any person or legal entity other than the PS 911 Provider and the 911 Customer. The Company's tort liabilities, if any, to third parties shall be limited to instances in which the Company's conduct constitutes gross negligence, or willful misconduct.

Terminal equipment at the 911 Customer's site that is used in connection with PS 911 Service, whether such equipment is provided by the Company or the customer, shall be configured so that information cannot be extracted from the database except when related to 911 calls. Any information obtained from the database in connection with an emergency call shall be used solely for the purpose of answering, handling and responding to emergency calls in a manner consistent with the nature of the emergency. Any permanent record associating a PS End User's telephone number with his/her name or address shall be secured by the customer and disposed of in a manner that will retain its security.

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SPECIALIZED SERVICES

E. PRIVATE SWITCH EMERGENCY SERVICE

9. RATES AND CHARGES

	Nonrecurring <u>Charge</u> <u>GSEC</u>	Monthly <u>Rate GSEC</u>
Enable 911 Tandeming in CO	ICB(1)	ICB(1)
PS 911 Service Trunk (per trunk from the PS to end office) (2)	See E-9-1-1 Sp	ecial Trunk Rates
Directory Numbers	See DID Service Section 5	e Rates

(1) This fee will set up a Central Office to provide some level 911 tandeming, based on the 911 Network requirements. Because the cost is determined on the type switch, the technology used and the level of tandeming desired, rates must be established on an individual case basis (ICB). This is a provisioning function of the 911 Customer.

(2) A minimum of two PS 911 Service Trunks are required from the Private Switch to the service central office.

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PRIVATE SWITCH EMERGENCY SERVICE Ε.

9. RATES AND CHARGES (Continued)

	Nonrecurring <u>Charge</u>	GSEC	Monthly <u>Rate</u>	<u>GSEC</u>
CenturyTel PS ALI ENTRY ADMIN SIT	re packages			
Option 1 - Full Service Package (Includes CenturyTel PS ALI, comm software, personal computer, mod and training)	lem	PSALI1NRC	\$145.96	PSALI1
Option 2 (Includes CenturyTel PS ALI softward training only)		PSALI2NRC	15.92	PSALI2
Option 3 - PS ALI LQ Parallel Printer (Requires Option 1 or 2 Above)	206.10	PSALI3NRC	33.79	PSALI3

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CONCURRING TARIFES 2 14 PH '00

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CONCURRING TARIFFS

INTRASTATE ACCESS SERVICES

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1. CenturyTel of Northwest Arkansas, LLC concurs in the rules, regulations, rates and charges of the National Exchange Carrier Association Tariff F.C.C. No. 5, Access Services, with the exceptions as noted in 2. following.

CenturyTel of Northwest Arkansas, LLC extends this concurrence to any and all changes which may be made subsequent to the effective date of this tariff by the National Exchange Carrier Association.

2. For Carrier Common Line Access Service CenturyTel of Northwest Arkansas, LLC concurs in the Intrastate Flat Rate Carrier Common Line Service Tariff for Intrastate CCL application as filed with the Arkansas Public Service Commission by the Administrator of the Carrier Common Line Pool.

Non-IXC access service customers are end users that do not provide switched interexchange communications services to the public for compensation in the State of Arkansas. For intrastate Carrier Common Line Services to non-IXC's, the National Exchange Carrier Association Tariff F.C.C. No. 5, Sections 3.2 through 3.8 and 17.1.1 shall apply.

Any carrier that is providing Switched Access Service between points within the State of Arkansas, and that does not report to or participate in the Arkansas Intrastate Carrier Common Line Pool (AICCLP) shall be charged the following Carrier COmmon Line Rate, per MOU:

Carrier Common Line Charge

<u>Per Minute</u>

Originating,	Per M	10U
Terminating,	Per M	10U

\$0.013404090 \$0.013404090

3. This concurrence supersedes and cancels all previous schedules of rates and charges or concurrences issued by the Company or its predecessors.

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CONCURRING TARIFFS

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WIDE AREA TELECOMMUNICATIONS SERVICES

- 1. CenturyTel of Northwest Arkansas, LLC concurs in the Wide Area Telecommunications Service Tariff, as filed by Southwestern Bell Telephone Company within the State of Arkansas. CenturyTel concurs in Southwestern Bell Telephone Company's Common Line 800 Service with the following exceptions:
 - (a) The provision of call detail
 - (b) CenturyTel will bill the same intraLATA usage rate structure and rates for residence subscribers as are being billed for business subscribers.

CenturyTel will offer this service as CenturyTel Business Line 800 or CenturyTel Residence Line 800 Service.

- 2. CenturyTel of Northwest Arkansas, LLC extends this concurrence to any and all changes which may be made subsequent to the effective date of this tariff by the Southwestern Bell Telephone Company.
- 3. CenturyTel of Northwest Arkansas, LLC hereby expressly reserves the right to cancel and make void this statement of concurrence at any and such time as it appears to be in the best interest of the Company.
- 4. This concurrence supersedes and cancels all previous schedules of rates and charges or concurrences issued by the Company or its predecessors.

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CONCURRING TARIFFS

PRIVATE LINE SERVICES

- 1. CenturyTel of Northwest Arkansas, LLC concurs in the Private Line Service Tariff as filed by Southwestern Bell Telephone Company within the State of Arkansas.
- 2. CenturyTel of Northwest Arkansas, LLC extends this concurrence to any and all changes which may be made subsequent to the effective date of this tariff by the Southwestern Bell Telephone Company.
- 3. CenturyTel of Northwest Arkansas, LLC hereby expressly reserves the right to cancel and make void this statement of concurrence at any and such time as it appears to be in the best interest of the Company.
- 4. This concurrence supersedes and cancels all previous schedules of rates and charges or concurrences issued by the Company or its predecessors.

Issued:

By: G. Clay Bailey, Vice President Regulatory Affairs PO Box 4065, Monroe, Louisiana 71211 Effective:

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CONCURRING TARIFFS

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WIDE AREA TELECOMMUNICATIONS SERVICES

- 1. CenturyTel of Northwest Arkansas, LLC concurs in the Wide Area Telecommunications Service Tariff, as filed by Southwestern Bell Telephone Company within the State of Arkansas. CenturyTel concurs in Southwestern Bell Telephone Company's Common Line 800 Service with the following exceptions:
 - (a) The provision of call detail
 - (b) CenturyTel will bill the same intraLATA usage rate structure and rates for residence subscribers as are being billed for business subscribers.

CenturyTel will offer this service as CenturyTel Business Line 800 or CenturyTel Residence Line 800 Service.

- 2. CenturyTel of Northwest Arkansas, LLC extends this concurrence to any and all changes which may be made subsequent to the effective date of this tariff by the Southwestern Bell Telephone Company.
- 3. CenturyTel of Northwest Arkansas, LLC hereby expressly reserves the right to cancel and make void this statement of concurrence at any and such time as it appears to be in the best interest of the Company.
- 4. This concurrence supersedes and cancels all previous schedules of rates and charges or concurrences issued by the Company or its predecessors.

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ARKANSAS GENERAL EXCHANGE TARIFF SECTION 9

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SWITCHED DATA SERVICE

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11.

SWITCHED DATA SERVICE

A. <u>GENERAL</u>

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

B. DESCRIPTION OF SERVICE

Switched Data service is a network service which provides the capability for switched digital end-to-end data transport.

Switched Data Individual Line Loop Extension

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

Switched Data Channel Access (DS1)

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

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SWITCHED DATA SERVICE

C. <u>DEFINITIONS</u>

Asynchronous

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

Bit

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

Bits Per Second

The number of bits transmitted per second. A measure of the speed of transmission of digital information.

Digital Centrex Service

Allows intercom (IC) calling (abbreviated calling) between stations in the same customer group without incurring usage.

DS1

A digital transmission facility which transmits data at 1.544 Megabits per second (Mbps). The DS1 is divided into 24 voice grade channels capable of carrying a transmission speed of 56 Kilobits per second (Kbps).

Digital

Information which is expressed in discrete or noncontinuous form.

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SWITCHED DATA SERVICE

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C. <u>DEFINITIONS</u> (Cont'd)

Full Duplex

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

Half Duplex

Type of communication that supports transmission of signals alternately in both directions, but is not capable of simultaneous and independent transmission and reception. This is not associated with simultaneous transmission of voice and data communications.

Hunting

A search through a group of numbers until an idle station is found or the last number of the group is reached.

Off-Peak

The Off-Peak period for usage rating is from 5:00 PM to 7:59 AM.

Peak

The Peak period for usage rating is from 8:00 AM to 4:59 PM.

Speed Calling

Permits faster calling of frequently used numbers by pressing a button or dialing one to three digits.

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SWITCHED DATA SERVICE

C. <u>DEFINITIONS</u> (Cont'd)

Synchronous

A method of transmitting data in which the data characters (bits) are transmitted in a continuous stream with the beginning of one data character (bit) being contiguous with the end of the preceding one thus eliminating the need for individual start bits and stop bits.

D. STANDARD FEATURES

Data Line Security

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

Intercom Dialing

This feature allows customer group stations to complete calls to other stations without the assistance of an attendant, by dialing a 2 through 7 digit number. Usage rates will not apply to intercom dialing. This feature is applicable to Digital Centrex groups only and is restricted to the serving wire center only.

Direct Dialing

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

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SWITCHED DATA SERVICE

E. <u>OPTIONAL FEATURES</u>

Data Direct Connect

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

Data Closed User Group

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

F. OPTIONAL FEATURE PACKAGE

The following feature package is available for use with Switched Data service:

Data 1000 includes:

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

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

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SWITCHED DATA SERVICE

G. <u>REGULATIONS</u>

In addition to the following regulations, the appropriate regulations in other sections of this tariff will also apply.

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Switched Data Service is comprised of the following rate elements:

- Switched Data Customer Line
- Service Connection Charges
- Optional Features
- Software Reconfiguration Charge
- Network Usage Charge

The minimum billing period for which service is provided is one month.

FCC Subscriber Line Charges will apply to Switched Data service.

For Presubscription to an Interexchange Carrier, the rates and regulations as set forth in Section 6 of the General Telephone Operating Companies Tariff, FCC No. 1 will apply to Switched Data Service.

A directory listing for Switched Data service will be provided, upon request, in accordance with Section 5 of this tariff.

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SWITCHED DATA SERVICE

G. <u>REGULATIONS</u> (Cont'd)

Switched Data Individual Line Loop Extension can be provided where:

- A customer's local serving central office is capable of providing Switched Data.
- A customer's local serving central office is not capable of providing Switched Data. The Telephone Company will determine the nearest designated central office capable of providing Switched Data Service. Interoffice digital data service (DDS) mileage will apply from the noncapable central office to the central office capable of providing Switched Data at the rates shown in the appropriate tariff. (See Note) In this situation, the dialing plan associated with the central office that will be providing the Switched Data service to the customer will be utilized.

Switched Data Service Channel Access

- A customer's local serving central office is capable of providing Switched Data.
- A customer's local serving central office is not capable of providing Switched Data. The Telephone Company will determine the nearest central office capable of providing Switched Data Service. Interoffice digital high capacity mileage (1.544 Mbps) will apply from the noncapable central office to the central office capable of providing Switched Data at the rates shown in the appropriate tariff. (See Note) In this situation, the dialing plan associated with the central office that will be providing the Switched Data Service to the customer will be utilized.

Note: National Exchange Carrier Association Tariff F.C.C. No. 5 - (56 Kbps)

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SWITCHED DATA SERVICE

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G. <u>REGULATIONS</u> (Cont'd)

Dialing Method

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

Origination of calls for 800, 900, 976, 0- (intraLATA) and 0+ (intraLATA) is restricted.

H. APPLICATION OF RATES

Rates and charges specified in other sections of the tariff for services provided in conjunction with Switched Data service (i.e., Digital Centrex features, etc.) are in addition to the monthly rates for Switched Data service.

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SWITCHED DATA SERVICE

I. RATES

SWITCHED DATA INDIVIDUAL LINE LOOP EXTENSION	GSEC	Nonrecurring Charge (1)	Monthly <u>Rate</u>
Switched Data - Individual Line Loop Extension Access - Single Line	SWDALNLE-IC SWDALNLE SWDALNLEFX(4)	\$50.00	\$50.00(2)
Switched Data - Individual Line Loop Extension Access - Digital Centrex Service	SWDALNCNTLE-IC SWDALNCNTLE SWDALNCNTLEFX(4)	50.00	50.00(2)
Switched Data Individual Line Loop Extension Channel, per line Single Line	SWDLE-IC SWDLE	50.00	12.00
Digital Centrex Service	SWDCNTLE-IC SWDCNTLE	50.00	15.00
Switched Data - Interoffice Mileage	SWDLEMI		(3)

(1) In addition to the applicable Service Order Charge in Section 6 of this tariff.

(2) This rate is in addition to the FCC Subscriber Line Charge

(3) Digital Data Service (56 Kbps) mileage charges in the National Exchange Carrier Association Tariff F.C.C. No. 5

(4) Use this GSEC when interoffice mileage applies.

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SWITCHED DATA SERVICE

I. RATES (Cont'd)

1. RATES (CONC'd)	GSEC	Nonrecurring <u>Charge (1)</u>	Monthly <u>Rate</u>
SWITCHED DATA CHANNEL ACCESS			
Switched Data Channel Access (DS (24 channels)	1), SWDCACC-IC SWDCACC	(2)	(2)(3)
Switched Data Central Office Termination, per Access Arrangement	SWDCOT-IC SWDCOT	\$125.00	\$150.00
Switched Data Central Office Channelization - per channel activated	SWDCOC SWDCOCCNT SWDCOCDID	0.00	5.00
Switched Data - Interoffice Mileage	SWDCMI		(4)

(1) In addition to the applicable Service Order Charge in Section 6 of this tariff.

(2) The DS1 Special Access Line Rate, as set forth in the National Exchange Carrier Association Access Service Tariff, will apply.

(3) This rate is in addition to the FCC Subscriber Line Charge from the National Exchange Carrier Association Access Tariff F.C.C. No. 5

(4) DS1 mileage as set forth in the National Exchange Carrier Association Tariff F.C.C. No. 5.

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SWITCHED DATA SERVICE

I. RATES (Cont'd)

	GSEC	Nonrecurring <u>Charge (1)</u>	Monthly <u>Rate</u>
OPTIONAL FEATURES, PER LINE			
Data Direct Connect	SWDDDC		1.00
Data Closed User Group	SWDDCUG		1.00
Switched Data - Interoffice Mileage	SWDCMI		(2)

In addition to the applicable Service Order Charge in Section 6 of this (1) tariff. DS1 mileage as set forth in the Arkansas Facilities for State Access (2)

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SWITCHED DATA SERVICE

I. RATES (Cont'd)

	<u>GSEC</u>	Nonrecurring <u>Charge (1)</u>	Monthly <u>Rate</u>
Software Reconfiguration Charge, Rate Per Occurrence	SWDRC	\$12.75	

This charge is applicable for any software changes that are required to make changes to Optional Features (e.g., changing Speed Call Lists, Data Direct Connect destination, etc.) of Feature Packages.

OPTIONAL FEATURE PACKAGES

Data 1000, per line	SWD1000(1)	(2)	\$ 3.00
	SWD1000TR		

(1) This GSEC to be utilized when the customer selects not to utilize data toll restriction.

(2) If ordered on subsequent activity, the appropriate Service Order Charge in Section 6 of this tariff will apply.

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SWITCHED DATA SERVICE

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I. RATES (Cont'd)

NETWORK USAGE

Switched Data Network Usage will be billed to the originating end of the Switched Data call which terminates within the local calling area only. Intercom dialing will not be subject to the usage rate. The network usage charge does not apply to calls placed over the long distance telecommunications service (toll) network. For Switched Data calls terminating outside the local calling area the applicable toll charges will apply. Switched Data Network Usage Detail will be provided at the rate as set forth in Section 4 of this tariff.

Switched Data Network Usage

		Rate Period							
Distance Bands	Airline Miles	Set-up	Each Minute						
Local		\$0.02	\$0.01						
A	1-10	\$0.03	\$0.03						
В	11-16	\$0.04	\$0.05						
С	17-22	\$0.05	\$0.08						
D	23-30	\$0.06	\$0.09						
Е	31-40	\$0.07	\$0.11						

DISCOUNTS

	From	Up to but not including	Discounts
Everyday	9 p.m.	8 a.m.	40%
Saturday, Sunday and certain holidays*	8 a.m.	9 p.m.	40%

 Holiday discounts apply on New Year's Day (January 1), Independence Day (July 4), Labor Day (the first Monday in September), Thanksgiving Day (the fourth Thursday in November), and Christmas Day (December 25).

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CHARGES RELATED TO CUSTOMER ACTIVITY

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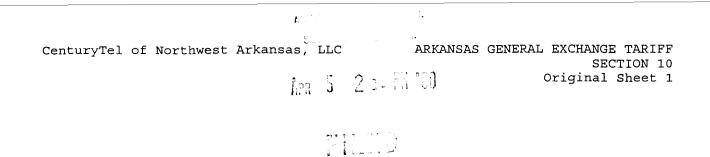
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CHARGES RELATED TO CUSTOMER ACTIVITY

A. <u>Deposits</u>

The Company has determined that no deposits will be collected.

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CHARGES RELATED TO CUSTOMER ACTIVITY

B. Late Payment Charge

Bills are due when rendered unless otherwise specified on the bill and may be paid at any business office of the Company or at any agency authorized to receive such payments. The due date of the bill shall not be less than twenty-two (22) calendar days after the date the bill is mailed. The amount of the late payment penalty shall not exceed 10% of the first \$30.00 of the customer's bill and 2% of the remaining balance.

C. <u>Returned Check Charge</u>

A charge of \$15.00 will apply whenever a check or draft presented for payment for service is not accepted by the institution on which it is written.

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CHARGES RELATED TO CUSTOMER ACTIVITY

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- D. <u>Restoration of Service</u>
 - 1. Where service has been suspended appropriate service charges as shown in Section 6, Sheet 11 (secondary service order charge and line connection charge) will apply for the restoration of service.
 - 2. Service will be restored within a reasonable length of time during regular working hours after payment of all past-due charges, including any required deposit and applicable service charges. Party line customers are also required to pay a trip charge as shown in Section 6, Sheet 11.

E. Customer Account Record

- 1. Customer account records are provided at no charge.
- F. Finance Charge on Delayed Payment Agreements
 - 1. There is no finance charge assessed on delayed payment agreements.

G. <u>Collection Fee</u>

1. The Company does not charge a collection fee.

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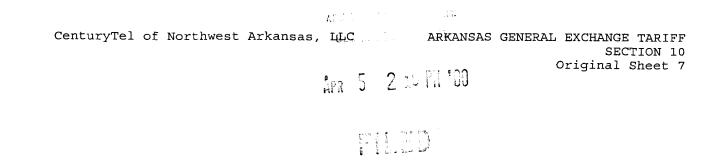
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NETWORK SERVICES

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NETWORK SERVICES

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General

This tariff section contains regulations, rates and charges applicable to the provision of certain functional network capabilities. These network capabilities are provided by CenturyTel of Northwest Arkansas, LLC, hereinafter referred to as the Telephone Company.

Services in this section of the tariff:

- are furnished only in central office areas where facilities and equipment are available, as determined by the Telephone Company.
- cannot be utilized in conjunction with the provisioning of interexchange access.

Definitions and Service Descriptions

Customer

The term "Customer(s)" 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 section of the tariff.

<u>Call Transfer</u>

This feature provides 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.

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NETWORK SERVICES

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<u>Definitions and Service Descriptions</u> (Continued)

Data Link

The facility that connects the customer's location to the Telephone 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 these services. (Requires subscription to Forwarded Call Information -Intraoffice). Delivery of calling number identification shall be blocked as described below under definition and service description of Forwarded Call Information Intraoffice.

End User

The term "end user" 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.

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NETWORK SERVICES

Definitions and Service Descriptions (Cont'd)

Forwarded Call Information - Intraoffice

A feature which provides to the customer the customer's end user line number, the customer's network service number to which redirected calls are forwarded, and the reason calls were forwarded or placed. This feature requires subscription to Data Link. The reasons for forwarding information may include when an end user line is:

- busy;
- not answered;
- either busy or not answered; or
- used to call the customer directly

The Telephone Company shall block the delivery of a calling party's telephone number and all calling number identification from any customer ordering Forwarded Call Information - Intraoffice and Data Link. Only calls which are not forwarded (i.e., calls to the customer from the customer's end user to retrieve messages) and calls within that end user's business group will be delivered to the customer ordering these network services.

Message Waiting Indication - Audible

A feature which provides the customer with the ability to send, and a customer's client line to receive through customer premises equipment, an alerting signal in the form of an audible stutter dial tone to its end user line. This alerting signal may be used by the customer to inform its end user that information is waiting to be retrieved. This service is used in conjunction with Forward Call Information - Intraoffice.

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NETWORK SERVICES

Definitions and Service Descriptions (Cont'd)

Message Waiting Indication - Visual

A feature which provides the customer with the ability 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 line. This alerting signal may be used by the customer to inform its end user that information is waiting to be retrieved. This service is used in conjunction with Forward Call Information - Intraoffice.

<u>Oueuing</u>

A feature which provides customers subscribing to PBX Automatic Trunks or CentraNet[®] lines arranged in a multiline hunt group the capability to place inbound calls in an idle condition until facilities to answer the call are available. Inbound calls made to a multiline hunt group equipped with this 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 inbound call is placed on hold and waits its turn to be served.

Three Feature Package

This is a package consisting of individual features of Call Forwarding Busy/No Answer-Fixed (CFBNAF), Message Waiting Indication-Audible (MWI), and Forwarded Call Information (FCI).

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NETWORK SERVICES

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Rates and Charges

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	Nonrecurring <u>Charges (1)</u>	Monthly <u>Rate</u>	GSEC
<u>Call Transfer</u> Per Line or Trunk Arranged		\$ 1.50	ESPTRANS
<u>Data Link</u> (Requires subscription to Forwarded Call Information) Per Data Link Arranged	\$500.00(2)	300.00	ESPLINK
Forwarded Call Information Intraoff: (Requires subscription to Data Link) Per End User Line Arranged		1.00	ESPFCI
<u>Message Waiting Indication-Audible</u> Per End User Line Arranged		.50	ESPMWI
<u>Message Waiting Indication-Visual</u> Per End User Line Arranged		.50	ESPMWIV
<u>Queuing</u> Per Line or Trunk Arranged		1.50	ESPQUE
Three Feature Package (Fixed Call Forwarding Busy/No Answer Message Waiting Indication, Forwarder Call Information)(Requires subscript to Data Link)	ed		
Per End User Line Arranged		2.00	ESPVMPKG

1. Appropriate service charges from Section 6 of the General Exchange Tariff apply.

2. Billing GSEC - ESPLINKNRC.

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DIGITAL SERVICES

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

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DIGITAL SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

<u>General</u>

ISDN Service is provided from Central Offices equipped to provide this service and subject to the availability of facilities. Digital (ISDN) Single Line Service is a local exchange telecommunications service which 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.

<u>Conditions</u>

- -

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.

The Company may change telecommunications services, equipment, operations, or procedures while remaining consistent with the Arkansas Public Service Commission Telecommunication Providers Rules. 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.

Customer requested temporary disconnections of Digital (ISDN) Single Line services are not permitted.

A change in service from a basic exchange service to Digital (ISDN) Single Line service is a discontinuation of service and an establishment of ISDN service and will cause a temporary interruption of service. Termination liabilities will not apply to these changes if the customer subscribes to an equivalent or greater amount of service. However, all applicable installation and service connection charges and all charges applicable to the establishment of Digital (ISDN) Single Line services apply.

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DIGITAL SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

<u>Conditions</u> (Continued)

The Company makes no guarantee and assumes no liability for resale or sharing by the customer of the Digital (ISDN) Single Line Service and its associated facilities, including (without limitation) the failure of any person to pay the customer's or reseller's billing for any reason whatsoever, including (without limitation) denied toll calls and toll fraud.

When Digital ISDN Single Line Service is desired at a customer location that is not served by an ISDN capable central office, the service will be provisioned from a central office that can support Digital (ISDN) Single Line Service. If the central office is within the same serving exchange as the customer, Foreign Switching Office mileage charges are NOT applicable.

If Digital (ISDN3) Single Line Service will be provisioned as Foreign Exchange service, the FX rates in this tariff are applicable. The FX rates in this tariff are applicable ONLY for the provisioning of ISDN in exchanges not facilitated, at this time, to provide the service.

One bill will be rendered for each Digital (ISDN) Single Line Service.

Digital (ISDN) Single Line Service is offered on a contractual basis commencing on the date the service is established.

Digital (ISDN) Single Line Service Line and Feature Packages rates apply each month from the time the system is placed in service until the Digital Single Line Service is discontinued.

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.

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DIGITAL SERVICES

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICE

<u>Conditions</u> (Continued)

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.

A minimum service period of one month is required for each ISDN Single Line service.

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.

Certain optional feature capabilities may not be compatible with other Feature Packages or Optional System features.

Space Requirements

Suitable and sufficient space for any remote units required shall be leased by the Company from the customer.

Suitable space includes provisions for atmospheric control and encompasses the following environmental requirements:

- Dust free
- Controlled temperatures ranging from 50° to °86 Fahrenheit, with consideration given to heat loss and/or gain of the equipment
- Relative humidity of 20% minimum and 55% maximum

Commercial power necessary to operate the remote units, if required, shall be provided by the customer and located on the customer's premises.

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DIGITAL SERVICES

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INTEGRATED SERVICES NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

<u>Conditions</u> (Continued)

Termination Liability

In the event Digital (ISDN) Single Line Service is terminated by the customer prior to completion of the initial 12 or 36 months contract period, the customer shall be liable for the termination liability (TL). The customer shall be required to pay a sum determined by the application of the following formula:

Termination Liability Charge	=	25%	х	(number of lines terminated)	x	Monthly Rate per line	х	remaining
								months)

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.

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).

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DIGITAL SERVICES

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Conditions (Continued)

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.

Digital (ISDN) Single Line Service is composed of the following elements:

b Single line access (includes B-Voice/CSD on each B channel) b Line/Channel - choose one or a combination of: B-Voice/CSD, per line B-Packet, per channel D-Packet, per channel

Digital (ISDN) Single Line Service is digital exchange service.

Each Packaged Service is associated with a digital local loop, not with a channel.

Each digital local loop is arranged with a B-Channel or D-Channel configuration, or both a B-Channel and D-Channel configuration.

Digital (ISDN) Single Line Access is a service which terminates a digital local loop at the central office and permits access to the exchange network. Only one Digital (ISDN) Single Line access element is required for each digital local loop.

A customer may order multiple Single Lines.

A Digital (ISDN) Single Line Access arranges a digital local loop for an individual user.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Conditions (Continued)

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).

A Digital (ISDN) Single Line Access arranges a digital local loop for an individual user.

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.

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.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

<u>Conditions</u> (Continued)

Up to six users can simultaneously share the same D-Channel of a D-Channel packet switching arrangement. Additional telephone numbers are required for each additional terminal.

A maximum of eight terminals belonging to the same customer are permitted per Digital Single line.

Additional Telephone Numbers

Up to two primary telephone numbers are provided with each activated Digital (ISDN) Single Line one for each of the two (2) channels. If an additional telephone number is required on either channel, an additional number charge applies for each additional number. The additional telephone numbers are available at the rate shown in this section. Additional telephone numbers may be published in the directory at the additional listing rates as found elsewhere in this tariff.

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DIGITAL SERVICES

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Description of Service (Continued)

Individual Line Loop Extension

Digital (ISDN) Single Line Individual Line Loop Extension provides a physical extension of the Digital (ISDN) Single Line loop from approximately 18,000 feet to approximately 36,000 feet (These distances are for planning purposes. The actual distances are dependent on decibel (dB) loss and not just physical loop length.) This physical extension is accomplished by means of a CO installed power module and an outside plant installed regenerator or U-Repeater.

The deployment method is based on dB loss and not on specific cable footage. The vendor installation information indicates that up to a 34dB loss at 40kHz in either direction of the field repeater is acceptable. With the CenturyTel engineering practice of maximum loss for the Digital (ISDN) Single Line loop to be 38dB at 40kHz, it is assumed, if the customer's distance would exceed the 38dB for standard installation, the U-Repeater would be mounted within the stated range of 34dB and the customer's length would be extended another 34dB from the U-Repeater installation point. Only one power module and U-Repeater can be used per Digital (ISDN) Single Line.

The customer's network access line is preengineered to determine when the U-Repeater/power modules 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.

One interexchange carrier must be selected for all voice and circuit switched data telephone numbers associated with the same digital local loop, however 101XXXX access to other Carriers is provided. A separate interexchange carrier may be chosen for packet service.

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DIGITAL SERVICES

INTEGRATED SERVICES NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Features

Digital (ISDN) Single Line Multi-Button Key Set (MBKS) Basic Package: Add On Add Previously Held Call to Conference Additional Call Offering - ACO Unrestricted Additional Call Offering - Notification Busy Limit Automatic Callback - Intra-switch, Call Forwarding-Busy Call Forwarding-Courtesy Call Call Forwarding-Don't Answer Call Forwarding-Privacy of Redirecting Number Call Forwarding-Redirecting Number Call Forwarding-Redirecting Reason Call Forwarding-Reminder Notification Call Forwarding-Variable Call Hold - B Channel Reservation Call Hold and Retrieve CNID Svcs-Calling Party Number Privacy CNID Svcs-Redirecting Number CNID Svcs-Redirecting Reason CNID Svcs-Privacy of Redirecting Number Conference Hold & Retrieve Consultation Hold Drop Last Call on Conference EKTS Analog Member/Key System Coverage for Analog Lines EKTS Multiple DNs per Terminal/Shared Call Appearance, Feature Function Buttons Feature Inspect Implicit and/or Explicit Call Transfer Multiple Directory Number Buttons Three Way Conference Calling Time and Date Display

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Features (Continued)

Digital (ISDN) Single Line Multi-Button Key Set (MBKS) Deluxe Package: MBKS Basic Package plus the following features: Analog Members in Hunt Group Call Pick-up Display for Ringing Call Appearance Only, EKTS Abbreviated and Delayed Ringing EKTS Automatic/Manual Bridged Call Exclusion EKTS Bridging, EKTS-Call Appearance Call Handling EKTS Hold/Retrieve EKTS Intercom Calling EKTS Manual Bridged Call Exclusion EKTS-Membership in a Multiline Hunt Group Hunting-Linear Hunting-Circular Inspect for ISDN Terminals Outgoing Called Line ID for ISDN Terminals Circuit Switched Data 1000 Package:

Data Call Forward, Data Multi-Line Hunt Group, Data Speed Call-Short List, Data Toll Restriction.

Circuit Switched Data 2000 Package:

Data 1000 Package plus: Data Circular Hunting, Data Speed Call-Long List.

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INTEGRATED SERVICE DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Features (Continued)

Digital (ISDN) Single Line Multi-Button Key Set (MBKS) Deluxe Package:

X.25 Basic Package:

X.25 Flow Control Parameters Negotiation,
X.25 Incoming Calls Barred,
X.25 Outgoing Calls Barred,
X.25 Reverse Charge, Reverse Charge Acceptance,
X.25 Throughput Class Negotiation,
X.25 Transmit Delay Selection and Indication.

X.25 Package:

X.25 Basic Service plus:X.25 Closed User Groups,X.25 Fast Select, Fast Select Acceptance,X.25 Hunt Groups,X.25 One-Way Outgoing Logical Channel,X.25 Permanent Virtual Circuit.

The following feature matrices indicate the availability of each feature with Digital (ISDN) Single Line Service.

Basic Operating Features (1)

Feature Name

DN Sharing over Multiple Call types on an Integrated Terminal

More than two B-Channel Terminals per BRI

Calling Number Identification Delivery

Parameter Downloading

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DIGITAL SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Features (Continued)

Digital (ISDN) Single Line Multi-Button Key Set (MBKS) Deluxe Package:

(1) An analog telephone set connected through an appropriate ISDN terminal adapter to a Digital (ISDN) Single Line may subscribe to a Digital (ISDN) Single Line Multibutton Key Set (MBKS) feature packages. Applicable charges will apply as stated elsewhere in this tariff.

Voice and CSD Services(1)	MBKS <u>BASIC</u>	MBKS <u>Deluxe</u>	Opt.
Feature Name			
Additional Call Offering (TR-857)			
ACO Unrestricted	x	x	
Notification Busy Limit	x	x	
Additional Numbers			х
Automatic Callback Intra-Switch (TR-855)	x	x	
Access to Analog Features (TR-847)			
Speed Calling -short list	x	x	

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DIGITAL SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

	MBKS	MBKS	
Voice and CSD Services	BASIC	Deluxe	<u>Opt.</u>
Call Forwarding (TR-853)			
Call Forwarding Don't Answer	x	x	
Call Forwarding Busy	x	x	
Call Forwarding Variable	x	x	
Courtesy Call	x	x	
Privacy of Redirecting Number	x	x	
Redirecting Number	x	x	
Redirecting Reason	x	x	
Reminder Notification	x	x	
Call Hold (TR-856)			
B-Channel Reservation	x	x	
Hold and Retrieve	x	x	
Calling Number Identification Services (TR860)			
Calling Name Delivery (TR-1326)			
Calling Party Number Privacy	x	x	
Calling Number Identification Delivery	x	x	
Privacy of Redirecting Number	x	x	
Redirecting Number	x	x	
Redirecting Reason	x	x	
Electronic Key Telephone System (EKTS) (TR-205)			
Abbreviated and Delayed Ringing		x	
Analog member in an EKTS group		x	
Call Appearance Call Handling/Multiple		x	
Directory Number Appearances		x	
Hold/Retrieve		x	
Intercom Calling		x	

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DIGITAL (ISDN) SINGLE LINE SERVICES

	MBKS	MBKS	
Voice and CSD Services (Continued)	BASIC	<u>Deluxe</u>	
Opt.			
Membership in a Multiline Hunt Group		x	
Flexible Calling (TR-858)			
Add On	x	х	
Add Previously Held Call to Conference	х	x	
Conference Hold and Retrieve	x	x	
Consultation Hold	x	x	
Drop Last Call on Conference	x	x	
Implicit and/or Explicit Transfer	x	x	
Six Party Conference Calling			x
Three-Way Conference Calling	x	x	
Multiline Hunt Groups (TR859)			
Make Busy			x
Stop Hunt			x
Terminal Management - (5E Custom)			
Display for ringing Call Appearance		х	
Feature Function Buttons	x		
Feature Inspect	x	x	
Inspect for ISDN Terminals		x	
Multiple Director Number Buttons	x	x	
Terminal Management	х	х	
Time and Date Display	x	x	

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Features (Continued)

Feature Matrices (Continued)

Data Packages Features	CSD1000
-	CSD2000
DELUXE Optional	X.25
	X.25 DELUXE
Feature Name	
Data Speed Call - Short List	ХХ
Data Call Forward	ХХ
Data Toll Restriction	ХХ
Data Multi-Line Hunt Group	ХХ
Data Circular Hunt	Х
Data Speed Call - Long List	Х
X.25 - Assignment of Non-Hunt DNs	
to Hunt Terminals	ХХ
X.25 - CCITT DTE Facilities	ХХ
X.25 - Closed User Groups	Х
X.25 - Fast Select/User to User	
16 Octets of Data	Х
X.25 - Fast Select Acceptance	Х
X.25 - Flow Control parameters Negotiation	ХХ
X.25 - Hunt Groups	Х
X.25 - IC Preselection	хх
X.25 - In Band CNID	хх

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Features (Continued)

Feature Matrices (Continued)

Data Packages Features DELUXE Optional	CSD1000
	CSD2000
	X.25
	X.25 DELUXE
Feature Name	
X.25 - Incoming Calls Barred	х
X X.25 - ISDN AMA	хх
X.25 - Numbering and Routing	хх
X.25 - One-Way Outgoing Logical Channel	х
X.25 - Outgoing Calls Barred	ХХ
X.25 - Permanent Virtual Circuit	Х
X.25 - Reverse Charge	ХХ
X.25 - Reverse Charge Acceptance	ХХ
X.25 - RPOA Selection (Basic)	хх
X.25 - Sup Svcs User Testing	ХХ
X.25 - Throughput Class Negotiation	ХХ
X.25 - Transmit Delay Selection/	
Indication	ХХ
X.25 - User Access to Both B-Channel	
and D-Channel	ХХ
X.25 - User-Originated On-Demand	
B-Channel Pkt for BRI	хх

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) Single Line

<u>B-Channel (Bearer Channel)</u> A channel used to carry digitized voice and data information at a speed of 64 kbps.

<u>B-Packet</u> A service which permits a customer to use a B-Channel for packet switched data.

Basic Rate Interface (BRI) BRI supports up to two 64 kilobits per second (kbps) B-Channels and one 16 kbps D-Channel (2B+D).

<u>Clear Channel Capability</u> The capability to transport 64 kbps over a channel with no constraint on the quantity or on the sequence of bits.

<u>Channel</u> The electrical path provided by the Company between two or more terminating points for the transmission of information or intelligence.

<u>D-Channel</u> (Delta Channel). A communications path that operates at 16 kbps in support of network control signals and 9.6 kbps X.25 packet data.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

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.

<u>Digital (ISDN) Single Line</u> Single Line Service provided by ISDN-BRI. One line includes 2 B-Channels and 1-D-Channel.

<u>Integrated Services Digital Network (ISDN)</u> A set of standards which enable endto-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.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) Single Line Access The central office termination of a BRI Line arranged for access to the public switched network.

Kbps Kilobits Per Second.

MBKS Multibutton Key Set.

Mbps Megabits Per Second.

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.

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DIGITAL SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) SL Voice & CSD Services

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.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

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) <u>Automatic Callback</u> - 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.

Access to Analog Features <u>Speed Calling</u> (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.

Call Control (Bellcore Reference TR-268)

<u>Directory Number (DN) Sharing over Multiple Call Types on an Integrated</u> <u>Terminal</u> - 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.

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DIGITAL SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) SL Voice & CSD Services (Continued)

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.

Call Forwarding (Bellcore Reference TR-853)

Subfeatures:

100

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

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

<u>Call Forwarding Busy</u> (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.

<u>Call Forwarding Don't Answer</u> (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.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

<u>Courtesy Call</u> - Allows the user to talk with the party at the remote (forwardedto) DN when the CFV is activated to inform them that calls will be forwarded.

<u>Redirecting Number</u> - 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.

<u>Redirecting Reason</u> - 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.

<u>Privacy of Redirecting Number</u> - 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.

<u>Reminder Notification</u> - 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.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Call Hold (Bellcore Reference TR-856) Subfeatures:

<u>Hold and Retrieve</u> - 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.

<u>B-Channel Reservation</u> (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.

Calling Number Identification Services (Bellcore Reference TR-860) Subfeatures:

<u>Calling Name Delivery</u> - 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.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) SL Voice & CSD Services (Continued)

<u>Calling Party Number Privacy</u> - Allows the user to invoke privacy on a per-call basis.

<u>Calling Number Identification Delivery</u>/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.

<u>Redirecting Number</u> - 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.

<u>Redirecting Reason</u> - 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.

Electronic Key Telephone System (EKTS) (Bellcore Reference TR-205) <u>Abbreviated and Delayed Ringing</u> - The user can specify that one or more EKTS terminals that share a DN receive Abbreviated Ringing or Delayed Ringing. When a call attempts to terminate to the DN, the Abbreviated Ringing terminals will begin alerting the EKTS user as soon as the call is offered. The Delayed Ringing terminals will initially not alert. If the call is not answered by one of the Abbreviated Ringing terminals, within a pre-specified time interval, ringing will stop for them, and the Delayed Ringing terminals will begin ringing. The Delayed Ringing terminals will continue to alert until the call is answered or until the call is abandoned.

Automatic Bridged Call Exclusion - Allows an EKTS user to specify that no other EKTS user can bridge onto calls. The user can disable this capability on a callby-call basis and thus allow bridging to occur. Automatic Bridged Call Exclusion is deactivated via one-button operation.

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DIGITAL SERVICES

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) SL Voice & CSD Services (Continued)

<u>Bridging/Directory Number (DN) Bridging</u> - When one EKTS user originates or receives a call on an EKTS DN, the other EKTS users that share the DN are aware of the call being present. These other EKTS users can bridge onto the call unless privacy has been invoked via Automatic or Manual Bridged Call Exclusion. DN Bridging allows an EKTS terminal with multiple call appearances of the same, or multiple, DNs to bridge a call that is present on one call appearance together with a call that is present on another call appearance, This allows bridging of far parties onto one call appearance.

<u>Call Appearance Call Handling (CACH)/Multiple Directory Number Appearances</u> -Provides the capability of having one EKTS terminal have multiple call appearances associated with an EKTS DN. The terminal sends information to the switch on originating calls indicating which call appearance of the DN is being used and, likewise, on terminating calls, the switch indicates to the terminal on which call appearance to accept the call.

<u>Hold/Retrieve</u> - Allows a user to place a call on hold and make the B-Channel on that user's interface available for another call. After placing the call on hold, the user can (1) retrieve the held call or (2)drop the held call.

<u>Intercom Calling</u> - Allows an EKTS user to be able to call another EKTS user within the EKTS intercom group without using a DN. Intercom groups can consist of just one other EKTS user, requiring no intercom address, two to ten EKTS users, which will require a one-digit intercom address, or two to one-hundred EKTS users, requiring a two-digit intercom address. This is a form of abbreviated dialing in that allows one EKTS user to call another by simply hitting the intercom button and then dialing no, one, or two digits, respectively. The intercom call is not associated with any DN.

<u>Manual Bridged Call Exclusion</u> - 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.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) SL Voice & CSD Services (Continued)

Membership in a Multiline Hunt Group - Allows EKTS call appearances to be part of an ISDN Mutiline Hunt Group (MLHG). During hunting procedures, if the hunt terminates at an EKTS call appearance, the call will be offered to all EKTS terminals that share that call appearance.

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)

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.

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<u>Conference Hold and Retrieve</u> - 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.

<u>Consultation Hold</u> - 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.

<u>Drop Last Call on Conference</u> - Allows the user to remove the last user who was added onto the conference.

<u>Implicit and/or Explicit Call Transfer</u> - 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.

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DIGITAL SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) SL Voice & CSD Services (Continued)

<u>Six Party Conference Calling</u> - 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)

<u>Analog Members in a Hunt Group</u> - Allows an analog line to be a member of an ISDN hunt group.

<u>Circular Hunting</u> - Allows all lines in a multiline hunt group (MLHG) to be tested for busy, regardless of the incoming call's point of entry into the group. When a call is made to a line in a MLHG, a regular hunt is performed starting at the station dialed. The search for an idle line continues to the last station in the MLGH, then proceeds to the first station in the group and continues to hung sequentially through the remaining lines in the group. A busy tone is returned if the called station is reached without finding one that is idle.

<u>Linear Hunting</u> - Provides sequential hunt for incoming calls. If the called line is busy, hunting will start with the called line and continue to the end of the list. A busy tone is returned if the end of the list is reached without finding one that is idle.

<u>Make Busy</u> - Allows a member of a hunt group to make the DN appear busy, so that an incoming call will rotate to the next DN.

<u>Stop Hunt</u> - 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.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) SL Voice & CSD Services (Continued)

<u>Uniform Hunting</u> - A hunting arrangement that provides uniform distribution of incoming calls to members of a multiline hunt group. UCD does a pre-hunt for the next call by searching for the next idle member and setting the member as the start hunt position for the next call.

Terminal Management

Sub-features:

<u>Display for Ringing Call Appearance</u> - Will activate displays on a multibutton keyset only for ringing call appearances. This eliminates displays that a call coverage person (usually a secretary) has no need and no desire to see. The feature is intended for applications where keysets have large numbers of secondary call appearances to provide shared back up coverage among a group of secretaries, and where abbreviated and delayed ringing is used.

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

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Digital (ISDN) SL Voice & Services (Continued)

<u>Feature Inspect</u> - 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.

<u>Inspect for ISDN Terminals</u> - Retrieves and displays called-related information about any call appearance that has a call associated with it. This could be the active call, a call on hold, or an alerting call. The data that can be displayed includes: call appearance identification, called or calling Directory Number (DN), incoming call identifier call type, and called or calling party name. If the user performing the inspection is an attendant, the originating permissions are also displayed.

<u>Multiple Directory Number Buttons</u> - Provides access to more than one directory number on the station set. Indicator lights show the status of the directory number.

<u>Terminal Management</u> - 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

<u>Time and Date Display</u> - A subscription feature for ISDN station set users. The Telco Switch provides the time and date to the ISDN station set.

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DIGITAL SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

X.25 Basic Package

X.25 Assignment of Non-Hunt DNs to Hunt Terminals provides the ability to designate one or more of the Directory Numbers (DNs) associated with a given hunt terminal in a Hunt Group as non-hunt DNs. The non-hunt DN allows calling users to bypass the hunt arrangement and specifically address the subscribed hunt-terminal.

<u>X.25 CCITT DTE Facilities</u> are a set of Data Terminal Equipment (DTE) facilities intended to support end-to-end signaling required by the Open Systems Interconnection (OSI) network service. These facilities are passed unchanged between the two packet mode DTEs involved.

<u>X.25 Flow Control Parameter Negotiation</u> 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 Interexchange Carrier (IC) Preselection allows the ISDN user to preselect (by service order) an interexchange carrier for packet-switched data calls.

X.25 Incoming Calls Barred prohibits a data terminal from terminating an incoming call.

<u>X.25 ISDN Automatic Message Accounting (AMA)</u> feature collects data and provides automatic message accounting record generation for billing of packet-switched calls on the B-channel and D-channel.

<u>X.25</u> Numbering and Routing provides an International Numbering Plan and call routing for Public Data Networks as defined in CCITT Recommendations X.121 (PPSN numbering plan) and E.164 (ISDN numbering plan).

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

<u>X.25 Outgoing Calls Barred</u> 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.

<u>X.25 Recognized Private Operating Agency (RPOA) Selection (Basic)</u> allows a customer to specify an interLATA carrier for packet switching on a per call basis. If an RPOA is used, this overrides the IC Preselection, if a preselected carrier is provisioned.

<u>X.25</u> Supplementary Services User Testing allows the user to test either the Bchannel or D-channel by placing a call to that user's own Directory Number (DN).

<u>X.25 Throughput Class Negotiation</u> allows the calling data terminal to request specific throughput classes in a call request package for both directions of data transmission.

<u>X.25 Transmit Delay Selection and Indication</u> allows the data terminal to specify an acceptance transit delay on a per-call basis for virtual call.

X.25 User Access to Both B-Channel and D-Channel allows user access to all three channels.

X.25 Deluxe Package: Includes Basic package plus the following:

<u>X.25 Closed User Groups</u> allows ISDN subscribers to establish subnetworks within which the members of a closed user group can communicate. A member can not 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.

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DIGITAL (ISDN) SINGLE LINE SERVICES

<u>X.25 Fast Select/User to User 16 Octets of Data in Call Request</u> allows a sending data terminal to forward up to 16 octets (128 bytes) of data along with call setup and clearing packets. This feature is initiated on a call-by-call basis.

<u>X.25 Fast Select Acceptance</u> allows transmitting incoming call packets with the fast select facility to a compatible destination terminal.

<u>X.25 Hunt Groups</u> 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.

<u>X.25 Permanent Virtual Circuit</u> allows packet switching to be implemented over a dedicated channel without needing call setup or clearing.

Individual Services

<u>Data Direct Connect</u> provides an automatic connection between a calling line that goes off hook and a predetermined telephone number.

Circuit Switched Data 1000 Package

<u>Data Call Forward</u> allows a customer to forward incoming calls to another telephone number.

<u>Data Multi-Line Hunt Group</u> provides sequential hunting among lines in a hunt group for calls to a pilot number.

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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.

Circuit Switched Data 2000 Package - includes CSD 1000 Package plus

Data Circular Hunting searches for a vacant line in a hunt group for calls to a pilot number. The hunting starts from the idle line found by the previous hunt.

Data Speed Call-Long List allows speed calling over a Circuit Switched Data Channel. A long list allows storing up to thirty numbers.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Rates

Home Digital (ISDN) Single Line Service

Option 1 - Flat Rate

	Nonrecurring			Monthly
	Charges (1)	<u>IOSC</u>	IOSC	<u>Rate</u> (2)(3)
Access (includes local loop				
Month-to-Month	200.00	16830	16833	
12 Month Contract	100.00	16831		68.50
36 Month Contract	- 0 -		16829	48.50
* NO OVERTIME RATES ARE	APPLICABLE FOR HOM	E RATES		
<u> Option 2 - Measured Rate</u>				
Month-to-Month	\$200.00	16830	16825	\$25.00
12 Month Contract	100.00	16831		25.00
36 Month Contract	- 0 -		16827	25.00
	plus applicable	usage ch	arges bel	ow (4)
<u>Rate per Line</u>				
				,
Month-to-Month				50 per min.
12 Month Contract				40 per min.
36 Month Contract			.0	30 per min.

(1) In lieu of service charges in Section 6 of this Tariff.

(2) In addition to R1 rate in Section 5.

(3) Does not include the FCC Subscriber Line Charge.

(4) Usage charges apply to all local originating voice and circuit switched data calls.

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INTERGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Rates (Continued)

Business Digital (ISDN) Single Line Service

Option 1 - Flat Rate 400 Hour Block of Time Usage Option

	Nonrecurring <u>Charges</u> (1)	ISOC	ISOC	Monthly <u>Rate</u> (2)(3)
Digital (ISDN) Single Line Access (includes local loop)				
Month-to-Month	\$200.00	16830	16832	
12 Month Contract 36 Month Contract	100.00 -0-	16831	16823 16824	70.50 50.50
Overtime- usage charge	-0-		10824	0.05
Overchille- usage charge				0.05
<u> Option 2 - Measured Rate Usage</u>				
Month-to-Month	\$200.00	16830	16820	\$25.00
12 Month Contract	100.00	16831	16821	25.00
36 Month Contract	- 0 -		16822	25.00
Overtime Usage Charge				
plus applicable usage cha	rges below(4)			0.05
<u>Rate per Line</u>				
Month-to-Month			\$.050	per min.
12 Month Contract				per min.
36 Month Contract				per min.
				-
(1) In lieu of service charges		of this Tai	iff.	
(2) In addition to the B1 rate	in Section 5.			

(3) Does not include the FCC Subscriber Line Charge

(4) Usage Charges apply to all local originating voice and circuit switched data calls.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Rates (Continued)

Packaged Services (Business or Home)

	Nonrecurring <u>Charges</u>	<u>ISOC</u>	ISOC	Monthly <u>Rate</u>
MBKS Basic Service, per line	\$25.00	13428	13258	\$6.00
Data 1000, per line	15.00	13157	13156	3.00
Data 2000, per line	15.00	13157	13158	5.00
X.25 Basic	0.00			0.00
X.25 Deluxe Package, per line	15.00	13164	13165	5.00
Additional Directory Numbers, Each	0.00		15681	2.00
Data Direct Connect	0.00		13160	1.00
D Packet	0.00		13113	5.00

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DIGITAL SERVICES

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

DIGITAL (ISDN) SINGLE LINE SERVICES

Rates (Continued)

Foreign Exchange Service

Applicable FX charges when customer chooses Digital (ISDN) Centrex Service from another exchange although digital (ISDN) Centrex Service is not available in the customer's serving exchange. The charges below are FX charges only and in addition to the rates all other Single Line ISDN rates.

	IOSC	Monthly <u>Rate</u> (1)		
Business Foreign Exchange Facility per ISDN Access	15683	\$ 30.00		
Home Foreign Exchange Facility	18065	30.00		
Foreign Exchange Service Two Interoffice Transport, per V & H mile				
Mileage additive to 125 miles	54579	45.00		
Mileage additive to 125 to 425 miles	54580	66.00		
Mileage additive Over 425 miles	54581	87.00		

(1) ISDN FX Service is in addition to the ISDN rate.

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OBSOLETE SERVICES

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OBSOLETE SERVICES

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GENERAL

The services contained in this section of the Tariff have been discontinued and are limited to existing customers at existing locations. Existing services can not be moved, changed or enhanced in any way. The services contained herein will not be offered to new customers.

The Telephone Company will maintain all existing services outlined herein only as long as economically feasible. Should it become economically unfeasible to maintain the service, the customer will be required to change to a like service, if available, at the rates specified in the applicable section of this Tariff.

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OBSOLETE SERVICES

ENTERPRISE/ZENITH SERVICE(1)

A. General

This is an arrangement whereby a customer may offer his patrons in another exchange the privilege of calling him without charge or without requesting the reversal of toll charges.

B. Rates

				GSEC	Monthly <u>Rate</u>
1.	Special Reverse	Toll Service	Charge, per exchange	ETC	(2)

- C. Conditions
 - 1. The charges for each message will be billed to the called party at the applicable message rate.
 - This service may be furnished with individual or key business lines or PBX/PABX trunks.
 - 3. This service includes the listing of a special number in both the published directory and Directory Assistance records of the exchange or exchanges from which calls are to be accepted.
 - a. At the option of the customer this number may be nonpublished, to limit the service to certain selected individuals, without additional charge.
 - 4. The customer assumes the toll charges for all toll calls placed by parties who call the special number from the customer-selected exchanges.

(1) Limited to existing customers at existing locations.

(2) Message Toll Telephone Service Concurrence applies. See Section 8.

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OBSOLETE SERVICES

JOINT USER SERVICE (1)

A. General

Joint User service permits a person, firm or corporation to share the use of telephone service provided to a business customer.

B. Rates

Service Charges apply as listed in Section 6.

1. Schedules "A" and "B" Exchanges

	GSEC	
Joint User Service	JUB	50% of applicable business rate

C. Conditions

- Joint User Service will be furnished with the approval of the Company only with business individual line service in Schedules "A" and "B" Exchanges.(2)
- 2. Joint User 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.

(1) Limited to existing customers at existing locations.

(2) See Section 4, Sheets 5, 6 and 7 for exchange listings.

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JOINT USER SERVICE (Continued)

C. Conditions (Continued)

- 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 User 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 listing for the Joint User has been included in the directory, Joint User 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.
- 9. Joint User Service is not available in conjunction with Usage Pricing Service.

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