NORWAY TELEPHONE COMPANY, INC.

d/b/a TDS Telecom South Carolina Section 7
Original Sheet 1

SPECIAL DIAL TONE ARRANGEMENTS

CONCURRENCE

Norway Telephone Company, Inc. d/b/a TDS Telecom hereby assents to, adopts and concurs in the Special Dial Tone Arrangements as set forth in Section 7 of the McClellanville Telephone Company, Inc. d/b/a TDS Telecom tariff, on file with the South Carolina Public Service Commission, and makes itself a party thereto and obligates itself to observe the provisions therein with the exceptions listed below.

EXCEPTIONS

- A. Virtual Telephone Network (VTN) Service
 - General

VTN may be provisioned as VTN-Basic or VTN-Digital key lines and channels.

2. Standard Features

Each VTN Digital Key station will have the option to be equipped with the following features at no charge. VTN users must provide their own compatible premises equipment to utilize these features.

a. Expansion Modules

Provides the VTN user with a Digital Key telephone to have additional keys for features or call appearances by adding one or two Expansion Modules to their VTN Digital Key station.

b. Automatic Dial

Provides autodialing of a single directory number via a single key on a Digital Key telephone.

c. Multiple Call Appearances of a Directory Number

Allows the VTN user to have up to five (four additional) appearances of the primary directory number or secondary directory number assigned to the Digital Key telephone, providing the capability of multiple hunting incoming or outgoing calls associated with that directory number.

d. Shared Call Appearances of a Directory Number

Allows a directory number(s) from any VTN station to appear on customer-provided sets of other users.

e. Busy Lamp Field/Direct Station Selection

Allows the VTN Digital Key station to monitor the busy status of another VTN station line or to directly call another VTN station by depressing the associated BLF/DSS key.

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BY: Jeff Jung, Vice-President

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d/b/a TDS Telecom South Carolina Section 7 Original Sheet 2

SPECIAL DIAL TONE ARRANGEMENTS

A. Virtual Telephone Network Service (continued)

3. Optional-Chargeable Feature

a. Secondary Directory Numbers

An arrangement that allows a Digital Key telephone to have access to an additional telephone number(s). The additional telephone number(s), or Secondary Directory Number(s), may originate or receive calls independent of the Digital Key Telephone's Primary Directory Number.

4. Conditions and Limitations

- a. VTN is offered subject to the availability of outside plant and/or Central Office facilities. Individual feature availability and availability of Digital Key lines may differ by exchange.
- Each VTN Digital Key line may be provisioned with a maximum of 2 Digital Key Channels.
- c. VTN Digital Key lines are provisioned for voice-only applications and may no be used for data transmission.

5. Line Rates

	VIRTUAL	TELEPHONE NET	WORK DIGITAL I	(EY LINE RATES	!
		VTN T	ERM PERIOD		
		12 Months	24 Months	36 Months	60 Months
cZ	2+	29.30	22.50	20.30	16.20
اة ك _د ة ⊢	5+	25.70	19.80	17.80	14.20
ire ⊟	20+	21.80	16.80	13.40	10.70
Minir Total Lin	50+	20.10	15.50	12.40	9.90
	80+	18.20	14.00	11.20	9.00

The total number of VTN Standard and Digital Key lines at all locations served by the VTN Group will be used to determine the discount level. Secondary Directory Numbers, Digital Key Channels, and other features related to directory numbers are not included in determining discount levels.

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NORWAY TELEPHONE COMPANY, INC.

d/b/a TDS Telecom South Carolina Section 7 Original Sheet 3

SPECIAL DIAL TONE ARRANGEMENTS

A. Virtual Telephone Network Service (continued)

6. Channel Rates

	VIRTUAL T	ELEPHONE NETW		Y CHANNEL RAT	ES
		VTN T	ERM PERIOD		
		12 Months	24 Months	36 Months	60 Months
_ Z	2+	10.30	7.90	7.10	5.70
± Z _ε s: ⊢	<u>-</u> 5+	9.00	6.90	6.30	5.00
Minim Total	20+	7.60	5.90	5.30	4.30
	50+	7.10	5.50	4.90	3.90
	80+	6.40	4.90	4.40	3.60

7. Optional Individual Line Features

 Secondary Directory Numbers (Digital Channel Service Lines)

\$2.00 per number

8. Service Charges

- a. <u>Standard and Digital Key Line Connection Charge</u>: A non-recurring charge will apply for each Standard and Digital Key Line connected.
- b. <u>Digital Key Channel Establishment Charge</u>: A \$15.00 non-recurring charge will apply for each Digital Key Channel established.
- c. <u>VTN Secondary Directory Number Establishment Charge</u>: A \$10.00 non-recurring charge will apply for each Secondary Directory Number requested.

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NORWAY TELEPHONE COMPANY, INC.

d/b/a TDS Telecom South Carolina Section 7 Original Sheet 4

SPECIAL DIAL TONE ARRANGEMENTS

B. Integrated Services Digital Network (ISDN) Service - Basic Rate Interface (BRI)

1. General

Integrated Services Digital Network (ISDN) describes the end-to-end digital telecommunications network architecture, which provides for the simultaneous access, transmission and switching of voice, data and video services. These functions are provided via channelized transport facilities. The ISDN architecture consists of digital switching systems, which connect Basic Rate Interface (BRI) lines to their serving central office. Caller ID - Basic is included with this service.

BRI is an optional service arrangement, which can be used in conjunction with a customer's Individual Line Business or Residence service. It uses the ISDN architecture to provide the customer with the capabilities of simultaneous access, transmission and switching of voice, data and video services via channelized transport. In addition, BRI provides the customer with access to Circuit Switched Voice Service, Circuit Switched Data Service and Packet Switched Data Service.

A BRI arrangement obtains its capabilities from a properly equipped telephone company central office switch. The BRI arrangement may consist of up to two "B" channels and one "D" channel (2B+D).

"B" Channel: The "B" Channel is a bi-directional synchronous channel capable of supporting 64 kilobit per second (kbps) of digital transmission of information between users. The "B" Channel is configured to offer voice service, data service or voice/data service. One Primary Directory Number with one Primary Directory Listing for the first "B" Channel ISDN Service line is provided. Additional listings may be provided as specified for Additional Listing Service in the Directory Listings section of this Company's tariff.

"D" Channel: The "D" Channel is a 16 kbps digital signaling channel that carries signaling and control for the "B" channel and has maximum packet transmission throughput of 9.6 kbps.

All ISDN Service lines consist of central office facilities, including the outside plant facilities, extended from the Company's switching equipment to the customer's demarcation point.

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NORWAY TELEPHONE COMPANY, INC.

d/b/a TDS Telecom South Carolina Section 7 Original Sheet 5

SPECIAL DIAL TONE ARRANGEMENTS

- B. <u>Integrated Services Digital Network (ISDN) Service Basic Rate Interface (BRI)</u> (continued)
 - 1. General (continued)

ISDN Service is provided at the option of the Company, and is furnished subject to central office switching capacity and the availability of outside plant facilities. The availability, functionality and capabilities of the ISDN Service features may vary, or may not be available dependent upon type of serving central office switch, related software controlling that switch and associated outside plant.

The Company shall not be responsible if changes in any of the equipment, operations, or procedures of the Company utilized in the provision of ISDN Service render any facilities provided by the customer obsolete or require modification or alteration of such customer's equipment or systems, or otherwise affect its use or performance.

2. Circuit Switching

Circuit Switching is a switching technique in which an entire circuit or, in a digital switch equipped for ISDN, a specific selection of time slots is dedicated to a given call. Circuit Switched Service provides the ability to originate and receive circuit switched voice, data and voice/data calls over a 64 kbps "B" channel. Usage charges for Circuit Switched Voice and Data calls are applicable on each "B" channel and are outlined in the ISDN-BRI Rate Schedule. The customer may choose among the following Circuit Switched features based upon application needs.

- a. <u>Electronic Key Telephone Service (EKTS) Features:</u> Electronic Key Features provide the customer with the ability to access the following features where available:
 - Multiple Call Appearances of a Directory Number An arrangement that allows the user to have appearances of the directory number assigned to the customer-provided set, providing the capability of multiple incoming or outgoing calls associated with that directory number. Multiple incoming calls to this directory number or secondary telephone number (if purchased) can be terminated to the telephone if one or more idle calls appearances are available to accept the calls. In certain central offices, this arrangement may impact the use of the Shared Call Appearance feature.

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d/b/a TDS Telecom South Carolina Section 7 Original Sheet 6

SPECIAL DIAL TONE ARRANGEMENTS

- B. <u>Integrated Services Digital Network (ISDN) Service Basic Rate Interface (BRI)</u> (continued)
 - 2. Circuit Switching (continued)
 - a. Electronic Key Telephone Service (EKTS) Features: (continued)
 - (2) <u>Shared Call Appearances of a Directory Number</u> An arrangement that allows a directory number(s) from one customer-provided set to appear as a call appearance(s) on the customer-provided sets of other users. Bridging, an arrangement that allows the user to connect onto a currently active call, is included.
 - (3) Analog Line Pickups An arrangement that allows an ISDN set to provide coverage for an analog number(s). This arrangement is limited to analog numbers that are terminated in the same central office switch. This feature may limit the use of other features and/or functionality on the analog line. Bridging, an arrangement that allows the analog user to connect onto a currently active call, is included.
 - (4) Privacy Release (Automatic Exclusion) An arrangement that allows a customer to specify that no other user can bridge onto an existing call(s). On a call by call basis, this feature can be disabled to allow bridging to occur.
 - (5) Manual Exclusion (Privacy) An arrangement (opposite the Privacy Release) that allows the customer to restrict other stations from picking up an existing call on hold or bridging onto an existing call that is active at that station.
 - (6) <u>Intercom Calling</u> An arrangement that allows for ISDN station-to-station calls.
 - (7) <u>Bridging</u> An arrangement that allows the user to join an active call by pressing the active call appearance button. Bridging is inhibited if Manual Exclusion is activated on the terminal engaged in the active call.

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SPECIAL DIAL TONE ARRANGEMENTS

- B. <u>Integrated Services Digital Network (ISDN) Service Basic Rate Interface (BRI)</u> (continued)
 - 2. Circuit Switching (continued)
 - b. <u>Secondary Telephone Numbers</u> An arrangement that allows a customerprovided set to have access to an additional telephone number(s). The additional telephone number(s), or Secondary Telephone Number(s) may originate or receive calls independent of the customer-provided set's Primary Directory Telephone Number.
 - c. <u>Clear Channel Capability</u> A characteristic of the transmission paths on the "B" channel that allows the full bandwidth on the "B" channel, 64 kbps, to be available to the customer. However, ISDN interconnection to non-ISDN equipped central offices will be potentially subjected to analog transmission or sub-rated to 56 kbps.
 - d. <u>Custom Calling Services</u> Available at rates and charges specified elsewhere in the Custom Calling Services section of this tariff. Custom Calling Service features found specifically in this ISDN tariff will be charged for at rates found on the ISDN Rate Schedule.
 - (1) Call Hold, Drop and Transfer -
 - (2) <u>Call Hold</u> Allows the user to place a call on hold by pressing a programmed button on a customer-provided set.
 - (3) <u>Call Drop</u> This central office based feature allows the user to disconnect the last party added to a conference call.
 - (4) <u>Call Transfer</u> This feature allows the user to transfer a call to another directory number. This feature is for use with Circuit Switched voice only.

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SPECIAL DIAL TONE ARRANGEMENTS

- B. <u>Integrated Services Digital Network (ISDN) Service Basic Rate Interface (BRI)</u> (continued)
 - 2. Circuit Switching (continued)
 - e. <u>Advanced Calling Service</u> Available at rates and charges specified elsewhere in the Advanced Calling Services section of this tariff. Advanced Calling Service features found specifically in this ISDN tariff will be charged for at rates found on the ISDN Rate Schedule.
 - (1) <u>Caller Identification-Deluxe</u> An Advanced Calling Service feature that provides the caller's name and number to be displayed on properly equipped customer-provided equipment (where available).
 - (2) <u>Caller Identification-Basic</u> An Advanced Calling Service feature that provides the caller's telephone number to be displayed on properly equipped customer-provided equipment (where available).
 - 3. Alternate Circuit Switched Voice Service/Circuit Switched Data Service

Alternate Circuit Switched Voice Service/Circuit Switched Data Service provides the ability to originate and receive either Circuit Switched Voice calls or Circuit Switched Data calls over a single "B" channel, but not simultaneously. This arrangement is available where technology permits. The features applicable to Circuit Switching Service are also applicable to this service.

4. Intraswitch Packet Switched Data "D" Channel Service

Packet Switching is a technique in which packets of data are individually addressed and combined on a transmission path with other addressed packets. Packet Switched Data "D" Channel Service provides the ability to originate and receive X.25 packet data calls on an intraswitch basis. This arrangement provides a maximum throughput of 9.6 kbps. Each "D" channel packet terminal will provide logical channel up to the technical capabilities of the serving central office. Multiple packet calls can be active simultaneously by a user on a single "D" channel. Up to eight data terminals can be supported per Basic Rate Interface. Service includes one data telephone number.

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SPECIAL DIAL TONE ARRANGEMENTS

- B. <u>Integrated Services Digital Network (ISDN) Service Basic Rate Interface (BRI)</u> (continued)
 - 4. Intraswitch Packet Switched Data "D" Channel Service (continued)
 - a. <u>Flow Control Parameter Negotiation</u> An arrangement that permits negotiation on per call basis of the flow control parameters. This feature automatically negotiates the maximum packet size and window size for each direction of data transmission. This can be presubscribed (fixed) or it can be established on a per call basis.
 - b. <u>Throughput Class Negotiation</u> An arrangement that allows the calling data terminal to request specific throughput classes (bits/second) in the call request packet for both directions of data transmission.
 - c. <u>Logical Channels</u> An arrangement that is a virtual circuit, offering multiple logical connections at the packet level of X.25. ISDN packet data service offers the ability to send and/or receive packet data calls on separate logical channels within one ISDN "D" channel. The logical channels can be assigned as permanent virtual circuits, incoming only, outgoing only, or two-way (incoming and outgoing).
 - d. <u>Incoming Calls Barred</u> An arrangement that prohibits a data terminal from terminating an incoming call.
 - e. <u>Outgoing Calls Barred</u> An arrangement that prohibits a data terminal from originating outgoing calls.
 - f. Closed User Groups An arrangement that allows ISDN users to establish sub networks of ISDN packet switching data users from which members can communicate with each other. The Closed User Group is established on a per line basis. The first member of a Closed User Group is included. Additional members are charged at the rate established in the rate schedule. Each data terminal in a Closed User Group can be arranged in one of the following modes:
 - (1) <u>Closed User Group with Outgoing Access</u> The data terminal makes outgoing calls only.
 - (2) <u>Closed User Group with Incoming Access</u> The data terminal receives incoming calls only.

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SPECIAL DIAL TONE ARRANGEMENTS

- Integrated Services Digital Network (ISDN) Service Basic Rate Interface (BRI) (continued) B.
 - 4. Intraswitch Packet Switched Data "D" Channel Service (continued)
 - Closed User Groups (continued) f.
 - Incoming Calls Barred Within a Closed User Group The data terminal (3)makes outgoing calls only to the data terminal in the Closed User Group with which it is associated.
 - Outgoing Calls Barred Within A Closed User Group The data terminal receives incoming calls only to the data terminals in the Closed User Group with which it is associated.
 - Unrestricted Access The data terminal receives and makes both incoming and outgoing calls.
 - Fast Select An arrangement that allows a sending data terminal to forward up to g. 128 bytes of data along with the call setup and clearing packets.
 - Fast Select Acceptance An arrangement that allows the switch to transmit incoming call packets with the Fast Select facility to a destination terminal that has this feature.
 - Transmission Specifications

The Standard Transmission parameters for an ISDN Service line utilizing an ISDN Basic Rate Interface (BRI) consists of: A maximum of 38.5db loop loss at a 40Kz test tone terminate into a 135 ohm impedance. The 38.5db loss includes all central office facilities, outside plant facilities and inside wiring.

6. Customer Premise Equipment and Facilities

The customer is responsible for providing compatible premises equipment in order to utilize the ISDN offering. All customer-provided equipment used to interface with ISDN Service is required to conform with the Technical Reference Specification as used by the Company and is found in the following Technical References:

Voice Contact Available Technical Reference Subject 1-800-432-6600 AT&T 235-900-341 **Basic Rate Interface Customer Premises Planning** AT&T 533-700-100 1-800-432-6600 Guide

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NORWAY TELEPHONE COMPANY, INC.

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SPECIAL DIAL TONE ARRANGEMENTS

- B. <u>Integrated Services Digital Network (ISDN) Service Basic Rate Interface (BRI)</u> (continued)
 - 6. Customer Premise Equipment and Facilities (continued)

The Company shall not be responsible if changes in any of the equipment, operations or procedures of the Company utilized in the provision of ISDN Service render any facilities provided by the customer obsolete or require modification or alternation of such equipment or system, or otherwise affect its use or performance.

7. Special Construction

An average amount of entrance and distribution facilities may be furnished by the Company provided the facilities are of the standard type normally furnished for the particular location or kind of service. If additional entrance or distribution facilities are required; if the conditions are such as to require special equipment; if the installation is for temporary or semi-permanent purpose or if for any other reason the construction costs are excessive, the applicant shall be required to pay the costs over and above those applicable for a normal installation. Each special construction situation will be evaluated on an individual case basis.

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SPECIAL DIAL TONE ARRANGEMENTS

Integrated Services Digital Network (ISDN) Service - Basic Rate Interface (BRI) (continued) B.

8. Rates

ISDN Service	Monthly Rate	Non-Recurring Charges
SDN LINE, PER LINE		
Residence	Residential One-Party Rate	See Service Connection
Business	Business One-Party Rate	See Service Connection
CIRCUIT SWITCHED VOICE SERVICE, PER "B" CHANNEL		
(Business And Residence)	\$15.00 Flat Rate	See Service Connection
CIRCUIT SWITCHED DATA SERVICE, PER "B" CHANNEL		
(Business And Residence)	\$15.00 Flat Rate	See Service Connection
ALTERNATE CIRCUIT SWITCHED VOICE/CIRCUIT		
SWITCHED DATA, PER "B" CHANNEL		
· · · · · · · · · · · · · · · · · · ·	\$15.00 Flat Rate	See Service Connection
(Business And Residence)	ψ10.00 Flat 1 (0.0	
CIRCUIT SWITCHED FEATURES (Business And Residence)		
Electronic Key Telephone Service (EKTS):	Included w/CSV, CSD	None
1 Multiple Call Appearances of a Directory Number (up to 3)	\$2.00 p/Call Appearance	None
Fourth/Subsequent Call Appearances of a Directory Number	\$1.00 p/Shared Call Appearance	None
2. Shared Call Appearances	\$1.00 p/Shared Call Appearance \$1.00 p/First Analog Set	None
3. Analog Line Pickups	Included with CSV	None
Privacy Release (Automatic Exclusion)	Included with CSV	None
5. Manual Exclusion (Privacy)		None
6. Intercom Calling	\$1.50 p/Each Member	None
	Included w/CSV, CSD	None
Primary Directory Number	Included w/CSV, CSD	None
Secondary Telephone Numbers	\$2.00 p/Telephone Number Included w/CSD	None
Clear Channel Capability	Included W/CSD	HOUSE
	Courtes Calling Cop (CCS) Todff	See Service Connection
Custom Calling Services	Custom Calling Svc (CCS) Tariff Included w/CSV	None
Call Hold, Drop and Transfer	incided w/CSV	None
	Advanced Calling Svc (ACS) Tariff	See Service Connection
Advanced Calling Services	Included w/CSV, CSD	None
Caller Identification - Basic (where available)		See Service Connection
Caller Identification - Deluxe (where available)	50% of ACS Tariffed Rate	See Service Confidential
INTRASWITCH PACKET SWITCHED DATA, PER "D" CHANNEL	#40.00	See Service Connection
(Business And Residence)	\$10.00	See Service Connection
PACKET SWITCHED DATA FEATURES: (Business And Residence)		Nana
Flow Control Parameter Negotiation	Inc w/Packet Data "D" Channel	None
2. Throughput Class Negotiation	Inc w/Packet Data "D" Channel	None
3. Logical Channels	Inc w/Packet Data "D" Channel	None
Incoming Calls Barred	Inc w/Packet Data "D" Channel	None
5. Outgoing Calls Barred	Inc w/Packet Data "D" Channel	None
6. Closed User Groups (CUG):		************
a. Per CUG		\$25.00 p/CUG initial set-
b. Per Member in CUG		\$1.00 Add'l Member
7. Fast Select	Inc w/Packet Data "D" Channel	None
8. Fast Select Acceptance	Inc w/Packet Data *D* Channel	None s. See Service Connection

SERVICE CONNECTION CHARGES apply for ISDN-BRI Service based upon existing Service Connection charges.

Section of this tariff.

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