

# **Terms and Conditions and Price Lists for Interexchange Private Line Services**

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Title Sheet  
Original Title Sheet 1  
Effective: December 31, 2008

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

**EXPLANATION OF SYMBOLS**

When changes are made in any Price List page, a revised page will be issued canceling the Price List page affected; such changes will be identified through the use of the following symbols:

- |     |                                                                                                      |
|-----|------------------------------------------------------------------------------------------------------|
| (B) | To signify rates established under bond                                                              |
| (C) | To signify a changed regulation or Price List                                                        |
| (D) | To signify discontinued rate, regulation or text                                                     |
| (I) | To signify increase in rate                                                                          |
| (M) | To signify a move from one page to another with no change to text, regulation or Price List          |
| (N) | To signify new rate and/or new regulation, and/or new text                                           |
| (O) | To signify obsoleted rate, regulation or text                                                        |
| (R) | To signify reduction in rate                                                                         |
| (S) | To signify matter already appearing in another part of the Price List and repeated for clarification |
| (T) | To signify a change in text but no change in rate or regulation                                      |
| (U) | To signify USOC added or changed only                                                                |
| (V) | To signify vintaged Price List                                                                       |

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Title Sheet  
Original Title Sheet 2  
Effective: December 31, 2008

**INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST FOR THE STATE  
OF NORTH CAROLINA**

This Price List contains regulations and rates applicable for the furnishing of  
Intrastate/IntraLATA/Interexchange Private Line Service by North State Telephone Company.  
within this State.

Communication services described in this Price List are furnished through facilities provided by the  
Company for the transmission of intelligence by electrical impulse, principally by means of wire,  
radio, or a combination thereof.

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Table of Contents  
Original Sheet 1  
Effective: December 31, 2008

**TABLE OF CONTENTS**

- B1. APPLICATION OF PRICE LIST
- B2. REGULATIONS
- B3. CHANNELS
- B4. Reserved for future Use
- B5. CONSTRUCTION CHARGES
- B6. Reserved for future Use
- B7. DIGITAL NETWORK SERVICE

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 1  
Original Sheet 1  
Effective: December 31, 2008

**B1. APPLICATION OF PRICE LIST**

CONTENTS

**B1.1 General**

## B1. APPLICATION OF PRICE LIST

### B1.1 General

- A. This Price List contains the regulations and rates applicable to intraLATA interexchange private line services furnished by North State Telephone Company, hereinafter referred to as the Company, and for private line services furnished by the Company in conjunction with another telephone company over facilities under the jurisdiction of the State of North Carolina.
- B. This Price List contemplates the securing of facilities and services of other telephone companies by the Company in order that the Company may furnish to the customer a private line service between specified locations.
- C. The rates and regulations contained in this Price List apply to the intraLATA interexchange private line services over facilities furnished jointly by the Company and other telephone companies as if the services are furnished in their entirety by the Company except as provided in D. following.
- D. In those cases where the rates and regulations of other telephone companies apply to the portion of the private line services furnished by such other telephone companies, the point of connection with the facilities of the Company is considered as a service point in determining the mileage and the rates applicable for the service furnished by the Company. In those cases where another telephone company furnishes a portion of the necessary facilities, and;
  - 1. Concur in the rates and regulations of the Company, the rates and regulations for the total facilities are the same as those shown for the Company in this Price List;
  - 2. Applies its own rates and regulations for its portion of the facilities, the rates and regulations for the total facilities are a combination of the rates and regulations of the two telephone companies.
- E. This Price List also applies to intraLATA interexchange private line services furnished in connection with other services furnished under the Company's General Subscriber Service Price List.
- F. This Price List item only applies to North State. When an end user certifies that an interexchange carrier (IC) is providing an intrastate, interLATA private network switching function at its terminal location for the end user, said terminal location will be considered an end user premises for the purpose of applying the rates and regulations in this Price List. Moreover, the private line facilities between the private network switching function and the end user's other premises may be ordered by and billed to either the end user or the IC.

## B2. REGULATIONS

### CONTENTS

<b>B2.1</b>	<b>Undertaking of the Company</b>	1
B2.1.1	Scope	1
B2.1.2	(Reserved for future Use)	1
B2.1.3	Liability	1
B2.1.4	Provision of Services	2
B2.1.5	Special Construction, Equipment and Arrangements	3
B2.1.6	Work Performed Outside Regular Working Hours	4
B2.1.7	Application for Service	4
B2.1.8	(Reserved for future Use)	4
B2.1.9	Telecommunications Service Priority (TSP) System	4
<b>B2.2</b>	<b>Use</b>	7
B2.2.1	Users	7
B2.2.2	Unlawful Purposes	8
B2.2.3	Use by Others	8
B2.2.4	(Reserved for future Use)	8
B2.2.5	For Different Types of Transmission on a Simultaneously Basis	9
B2.2.6	Channel Derivation	9
B2.2.7	Connections Involving Private Line Services	10
<b>B2.3</b>	<b>Obligations of the Customer</b>	11
B2.3.1	Customer Responsibilities	11
B2.3.2	Rearrangements and Repairs	11
B2.3.3	Transfer of Service	11
<b>B2.4</b>	<b>Payment Arrangements and Credit Allowances</b>	12
B2.4.1	Payment of Charges and Deposits	12
B2.4.2	Cancellation for Cause	12
B2.4.3	Minimum Service Period and Fractional Rates and Charges	13

## B2. REGULATIONS

### CONTENTS

<b>B2.4</b>	<b>Payment Arrangements and Credit Allowances (Cont'd)</b>	12
B2.4.4	Cancellation of Application for Service	14
B2.4.5	Change in Service Arrangements	15
B2.4.6	Suspension of Service	15
B2.4.7	Temporary Surrender of a Private Line Service	15
B2.4.8	Allowance for Interruptions	15
B2.4.9	Optional Payment Plan	18
B2.4.10	Special Billing Arrangement (SBA)	24
B2.4.11	Reserved for Future Use	25
B2.4.12	Reserved for Future Use	25
B2.4.13	Service Order Modifications	25
B2.4.14	Cancellation of a Service Order	26
B2.4.15	Billing of Private Line Service Provided by Multiple Companies	28
B2.4.16	Reserved for Future Use	29
B2.4.17	Service Installation Guarantee	29
<b>B2.5</b>	<b>Definitions</b>	30
<b>B2.6</b>	<b>Connections</b>	41
B2.6.1	General Provisions	41
B2.6.2	Connections of Registered Equipment	45
B2.6.3	Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems	45
B2.6.4	Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program	47
B2.6.5	Channel Derivation Devices	56
B2.6.6	Equipment-to-Equipment Connections	56
B2.6.7	Connections of Certain Facilities of Power, Pipe Line and Railroad Companies	56
B2.6.8	Connections of Certain Facilities of the U.S. Army, Navy, Air Force and NASA	57



**B2. REGULATIONS**

CONTENTS

<b>B2.6</b>	<b>Connections</b>	(Cont'd)
B2.6.9	Connections of Services Furnished by the Company to the Same Customer	58
B2.6.10	Connection of Services Furnished by the Company to Different Customers	60
B2.6.11	Connection of Services Furnished by the Company with Service of Other Carriers	62
B2.6.12	Trouble Location Charge	63
B2.6.13	(Reserved for Future Use)	63
B2.6.14	Connections of Test Equipment	64
<b>B2.7</b>	<b>Special Promotions</b>	66
B2.7.1	Regulations	66
<b>B2.8</b>	<b>Reserved for Future Use</b>	66
<b>B2.9</b>	<b>Reserved for Future Use</b>	66
<b>B2.10</b>	<b>Reserved for Future Use</b>	66
<b>B2.11</b>	<b>Reserved for Future Use</b>	66
<b>B2.12</b>	<b>Reserved for Future Use</b>	67
<b>B2.13</b>	<b>Reserved for Future Use</b>	67
<b>B2.14</b>	<b>Customer Agents</b>	67
B2.14.1	General	67
B2.14.2	Responsibility of the Agent	67
B2.14.3	Warranty and Liability of the Agent	67
B2.14.4	Proof of Authority	67
<b>B2.15</b>	<b>Demarcation Point</b>	68
B2.15.1	General	68
B2.15.2	Definitions	69

## B2. REGULATIONS

### B2.1 Undertaking of the Company

#### B2.1.1 Scope

- A. Private line service is the provision of Company facilities for communication between specified locations of customers or authorized users. This Price List applies only to IntraLATA Interexchange private line facilities.
- B. The Company does not undertake to transmit messages.

#### B2.1.2 Reserved for Future Use

#### B2.1.3 Liability

- A. The services furnished by the Company are subject to the terms, conditions and limitations herein specified and to such particular terms, conditions and limitations as are set forth in other sections of this Price List applicable to the particular services.
- B. Damages may arise out of impairment of service provided by the Company to its subscribers. Such impairment may be caused by defects or failures in facilities, or by mistakes, omissions, interruptions, preemptions, delays, errors, or defects in the provision of its services set forth herein. Such impairment may also be caused by the Company's failure to maintain proper standards of maintenance and operation, or by its failure to exercise reasonable supervision. The Company's liability for damages caused by any such impairment shall not exceed the proportionate charge to the subscriber for the period of service during which the impairment existed. The Company has no liability for damages caused by the negligence of the subscriber.

The Company shall not be liable for damage arising out of mistakes, omissions, interruptions, preemptions, delays, errors or defects in transmission or other injury, including but not limited to injuries to persons or property from voltages of currents transmitted over the service of the Company, (1) caused by Customer-provided equipment (except where a contributing cause is the malfunctioning of a Company-provided connecting arrangement, in which event the liability of the Company shall not exceed an amount equal to a proportional amount of the Company billing for the period of service during which such mistake, omission, interruption, preemption, delay, error, defect in transmission or injury occurs) and (2) not prevented by Customer-provided equipment but which would have been prevented had Company-provided equipment been used.

- C. The Company shall be indemnified and saved harmless by the customer against:
  - 1. Claims for libel, slander and infringement of copyright arising from the material transmitted over services furnished by the Company;
  - 2. Claims for infringement of patents arising from, combining with, or using in connection with, services furnished by the Company, apparatus and systems of the customer; and
  - 3. All other claims arising out of any act or omission of the customer in connection with the services furnished by the Company.
- D. The Company is not liable for any act or omission of another Company or Companies furnishing a portion of the service.
- E. The Company does not guarantee or make any warranty with respect to equipment provided by it for use in an explosive atmosphere. The customer indemnifies and holds the Company harmless from any and all loss, claims, demands, suits or other action, or any liability whatsoever, whether suffered, made, instituted or asserted by the customer or by any other party or persons, for any personal injury to or death of any person or persons, and for any loss, damage or destruction of any property, whether owned by the customer for others, caused or claimed to have been caused directly or indirectly by the installation, operation, failure to operate, maintenance, removal, presence, condition, location or use of said equipment so provided.

**B2. REGULATIONS****B2.1 Undertaking of the Company (Cont'd)****B2.1.3 Liability (Cont'd)****E.** (Cont'd)

The Company may require each customer to sign an agreement as a condition precedent to the provision of such equipment.

**F.** The Company is not liable for any defacement of or damage to the premises of a customer or authorized resulting from the attachment of the Company's instruments, apparatus and associated wiring on such premises or by the installation or removal thereof, when such defacement or damage is not the result of negligence of the Company.**G.** Unauthorized Computer Intrusion

The Company's liability, if any, for its willful misconduct is not limited by this section of this Price List. With respect to any other claim or suit by a subscriber, common carrier, reseller, or any other party for damages caused by, or associated with, any unauthorized computer intrusion, including but not limited to the input of damaging information such as a virus, time bomb, any unauthorized access, interference, alteration, destruction, theft of, or tampering with, a Company computer, switch, data, database, software, information, network or other similar system, the Company's liability, if any, shall not exceed an amount equal to the proportionate charge by the Company for the service for the period during which the service provided by the Company was affected or so utilized.

Each subscriber of the Company shall be responsible for providing appropriate security measures to protect the subscriber's computer, data, or telecommunications network.

**H.** Transmission of Data

*Voice-grade lines are primarily conditioned to handle data speeds up to 9.6 kilobits per second (kbps). The Company makes no guarantee that voice-grade access lines and/or facilities are suitable for the transmission of data. However, in those cases where the transmission of data is attempted, the Company shall not be held liable for any damage, harm or loss of data caused by the subscriber using the Company's voice-grade telephone access lines and/or facilities for the transmission of data. The Company's liability shall be limited to errors or damages to the transmission of voice messages over these facilities, and the liability shall be limited to an amount equal to the proportionate amount of the Company's billing for the period of service during which the errors or damages occur.*

The Company's liability for damages or errors caused during the transmission of data over any of the Company's data facilities shall be limited to an amount equal to the proportionate charge for the service for the period during which the service was affected.

**I.** Errors or Damages Caused by System Date Limitations

The Company's liability for errors or damages resulting from the inability of the Company's systems to process dates, such as the Year 2000, shall be limited to an amount equal to the proportionate amount of the Company's billing for the period of service during which the errors or damages occur.

**J.** Unauthorized Devices

The Company shall not be held liable or responsible for any damage or harm that may occur as the result of unauthorized devices or the failure of the Company to detect unauthorized devices on the subscriber's line.

**B2.1.4 Provision of Services****A.** The Company will furnish, maintain and repair all facilities and equipment necessary for private line service to the demarcation point on the customer premises. The customer or authorized user may provide his own terminal equipment or communications systems for use with such service as expressly authorized in 1. through 6. following, or as otherwise authorized in this Price List.

1. When a private line channel is used for voice communications for the purpose of remote operation of mobile radiotelephone systems, it is contemplated that the customer or authorized user shall provide all station apparatus for such use.
2. When a customer or authorized user elects to provide his own communications system, it is contemplated that the customer or authorized user except as provided in B2.6.3.A. following, shall provide all station apparatus and associated channels which are a part of the system and which are located on the same premises as the system. The Company will provide, at the request of the customer, the Dial Arrangement for signaling and Interexchange Channel Switching Arrangement as specified in Section B4. following.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 3  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.1 Undertaking of the Company (Cont'd)

#### B2.1.4 Provision of Services (Cont'd)

##### A. (Cont'd)

3. When a private line channel is used for teletypewriter transmission, the teletypewriter equipment may be provided by the customer or authorized user on a given private line at a given premises, all such equipment must be provided by the Company or the customer or authorized user. Such equipment must operate at a line signaling speed not to exceed that specified for the channel furnished.
4. When a private line channel is used for data transmission which requires terminal equipment (data sets), such data sets may be provided by the customer or authorized user except that, the Company shall furnish all data sets located in Company central offices. Where the customer or authorized user elects to provide his own data set(s) on a given private line, it shall be the responsibility of the customer or authorized user to ensure the continuing compatibility of such data set(s) with the facilities furnished by the Company.
5. When a private line channel is used for transmission purposes other than voice and teletypewriter except as specified in 1., 2., 3. and 4. preceding, it is contemplated that the customer or authorized user will provide the station equipment for such other purposes.

- B.** The Service Installation Guarantee, as set forth in B2.4.17 following, is applicable to specified services offered in this Price List. The Service Installation Guarantee is applied on a per circuit basis for Private Line Services.

The following list identifies some of the individual Private Line services which are eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in B2.4.17 following:

- Commercial Quality Video
- DigiServ Channel Service
- DigiServ- Service
- DDS Service
- Voice Grade Service (Series 2000)

Other services eligible for credit of nonrecurring charges under Service Installation Guarantee provisions are noted in their respective Price List sections.

The following service (s)/service elements are not eligible for such credit:

- DigiXconn Service

#### B2.1.5 Special Construction, Equipment and Arrangements

All rates and charges set forth in this Price List provide for the furnishing of service where suitable facilities are available. Where special construction of channel facilities is necessary, special construction charges may apply as set forth in section B5. of this Price List.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 4  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.1 Undertaking of the Company (Cont'd)

#### B2.1.6 Work Performed Outside Regular Working Hours

The rates and charges specified in this Price List contemplate that all installation, moves, changes or rearrangements of service be performed during regular working hours. Whenever a customer requests that such work be performed outside the Company's regular working hours or that such work once begun be interrupted, so that the Company incurs cost that would not otherwise have been incurred, the customer may be required to pay, in addition to the other rates and charges specified in this Price List, the amount of additional costs incurred by the Company as a result of the customer's special requirements.

#### B2.1.7 Application for Service

- A. Any applicant for service may be required to sign an application form requesting the Company to furnish the service in accordance with rates, charges, rules and regulations as specified in this Price List.
- B. The Company reserves the right to refuse service to any applicant who is found to be indebted to the Company for service previously furnished until satisfactory arrangements have been made for the payment of all such indebtedness. Except that failure to pay for service under this Price List shall not constitute sufficient cause for refusal of residence service or vice versa.  

The Company may also refuse to furnish service to any applicant desiring to establish service for former customers of the Company who are indebted for previous service until satisfactory arrangements have been made for the payment of such indebtedness.
- C. If private line service is established and it is subsequently determined that either condition in B. preceding exists, the Company may suspend or disconnect such service until satisfactory arrangements have been made for the payment of the prior indebtedness.

#### B2.1.8 Reserved for future Use

#### B2.1.9 Telecommunications Service Priority (TSP) System

- A. Service Description
  - 1. The Telecommunications Service Priority (TSP) System is a structured coding scheme that prescribes the order in which National Security Emergency Preparedness (NSEP) telecommunications services are installed or restored. The TSP System was developed to support the requirements of the U. S. Government and applies only to NSEP telecommunications services to which the Company is able to apply priority treatment. It requires and authorizes priority action by the Company.
  - 2. Conditions of emergency or crises that cause invocation of NSEP treatment can only be declared by authorized officials of the Federal Government or other officials (Federal or non-Federal) specified by the Manager - National Communications System (NCS) on behalf of the Executive Office of the President of the United States.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 5  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.1 Undertaking of the Company (Cont'd)

#### B2.1.9 Telecommunications Service Priority (TSP) System (Cont'd)

##### B. Service Limitations

1. Priority installation and/or restoration of NSEP telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's Rules and Regulations.

In addition, TSP System service shall be provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual" (NCS manual 3-1-1 dated July 9, 1990) and "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCS manual 3-1-2 dated July 9, 1990).

2. The customer for the TSP System service must also be the same customer for the underlying Private Line Service with which it is associated.
3. The Company will arrange for the installation and/or restoration of TSP System service upon receipt of the proper certification as specified in B.1. preceding.
4. It is the responsibility of the TSP user to provide the TSP Authority Code to the Company with each service request.
5. When performing Priority Installation or Priority Restoration (repair) on TSP-designated services in compliance with the Rules and Regulations cited in B.1. preceding, the Company may not be in a position to notify the customer regarding additional labor charges if additional labor is required. The customer recognizes that quoting charges and obtaining permission to proceed with the installation or restoration of service may cause unnecessary delays and grants the Company the right to quote charges after the installation or restoration has been completed.

##### C. Rules and Regulations

1. Under certain conditions, it may be necessary to preempt one or more customer services with a lower (or no) restoration priority in order to install or restore NSEP telecommunications service(s). If preemption is necessary and if circumstances permit, the Company will make every reasonable effort to notify the preempted customer of the action to be taken. Credit allowance for service preemption will adhere to the provisions appearing in B2.4.8 of this Price List.
2. No charge applies when a TSP designation is discontinued.
3. With the exception of credit information, a customer obtaining TSP System service acknowledges and consents to the provision of certain customer service details by the Company to the Federal Government to allow for the proper maintenance and administration of the TSP System. That information includes but is not necessarily limited to:
  - Confirmation of completed TSP service orders directly to the Manager, National Communications System (NCS);
  - Verification of installation and/or restoration priority level assignment(s) with the Manager, NCS;
  - Reconciliation of TSP service information with the Manager, NCS, or the customer (prime service vendor).

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 6  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.1 Undertaking of the Company (Cont'd)

#### B2.1.9 Telecommunications Service Priority (TSP) System (Cont'd)

##### D. Definitions

###### **National Communications System (NCS)**

The NCS is established under the Executive Office of the President of the United States and is responsible for the day-to-day operations of the TSP System. This includes maintaining a twenty-four hour point-of-contact to handle emergency provisioning requests, assigning priority levels and Authorization Codes and maintaining data on TSP assignments.

###### **National Security Emergency Preparedness (NSEP) Services**

NSEP services are telecommunications services that are used to maintain a state of readiness or to respond to and manage any events or crises (local, national or international) which causes or could cause injury or harm to the population, damage to or loss of property, or degrade or threaten the NSEP posture of the United States.

###### **Prime Vendor**

The service vendor from whom the service user or its authorized agent orders service.

###### **Priority Installation (PI)**

Provisioning, on a priority basis, of a new TSP service authorized as so urgent that it must be provided earlier than the Company's standard provisioning interval.

###### **Priority Restoration (PR)**

Restoration, on a priority basis, of an existing TSP service for which any interruption would have serious adverse impact on the supported NSEP function.

###### **Subcontractor**

The service vendor from whom the prime vendor obtains service for the completion of the prime vendor's end-to-end service.

###### **Telecommunications Service Priority (TSP) System**

TSP is a structured coding scheme that establishes the order in which NSEP services are to be installed or restored in the event of an emergency. The TSP System was developed to ensure priority treatment of the nation's most important telecommunications services.

###### **TSP Authorization Code**

A twelve character code that identifies an NSEP TSP service and denotes the order in which that service is to be provisioned (installed) and/or restored.

##### E. TSP Rate Categories

1. There are two basic rate categories which apply to TSP System service:
  - a. Priority Installation
  - b. Priority Restoration
    - Level Implementation
    - Level Change
    - Maintenance/Administration
2. Certain activities associated with the TSP System are included in the rate elements as follows:
  - a. Priority Installation includes order coordination.
  - b. Priority Restoration includes system development, verification and confirmation.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 7  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.1 Undertaking of the Company (Cont'd)

#### B2.1.9 Telecommunications Service Priority (TSP) System (Cont'd)

##### F. Rates and Charges

1. The following rates and charges are in addition to all other rates and charges that may be applicable for other services furnished in conjunction with TSP service:

a. Priority Installation (PI)<sup>1</sup>

(1) Per circuit

(a) Prime vendor

(b) Subcontractor

b. Priority Restoration (PR), per circuit

(1) Level Implementation

(a) Prime vendor

(b) Subcontractor

(2) Level Change

(a) Prime vendor

(b) Subcontractor

(3) Maintenance/Administration

(a) Prime vendor

(b) Subcontractor

	Nonrecurring Charge	Monthly Rate	USOC
(a) Prime vendor	\$84.00	\$-	P1APX
(b) Subcontractor	84.00	-	P1ASX
(1) Level Implementation			
(a) Prime vendor	65.00	-	PR5PX
(b) Subcontractor	65.00	-	PR5SX
(2) Level Change			
(a) Prime vendor	65.00	-	PR8PX
(b) Subcontractor	65.00	-	PR8SX
(3) Maintenance/Administration			
(a) Prime vendor	-	3.75	PR9PX
(b) Subcontractor	-	3.75	PR9SX

### B2.2 Use

#### B2.2.1 Users

A private line service may be used for one or more of the purposes specified in A. through H. following.

A. For the transmission of communications to or from the customer and relating directly to the customer's business. No one may be a customer for a private line service who does not have a communication requirement of his own for its use except as provided in C. and G. following

B. For the transmission, to all stations simultaneously, of communications which relate directly to matters of common interest to the customer and the authorized users, when those connected to the service are all in the same general line of business.

**Note 1:** Regulations, rates and charges for Expedited (Emergency or Essential) service are the same as those set forth in B2.4.13.B. following for the private line services for which PI is required.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 8  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.2 Use (Cont'd)

#### B2.2.1 Users (Cont'd)

- C. For the transmission of communications relating directly to the business of a subsidiary corporation over which the customer exercises control through the ownership of more than 50 percent of the voting stock.
- D. For the transmission of communications to or from any station on a service furnished to a Department or Agency of the United States Government when the head of the Department or Agency, or his duly authorized representative, notifies the Company in writing that the use is intended only for official United States Government Business.
- E. Where the customer is an organized stock or commodity exchange, for the transmission of communications to or from an exchange member located on the floor of such exchange and relating directly to the business of the member.
- F. Where the use of the service relates to coordination or exchange of pooled electrical power, for the transmission of communications between any two or more stations of such service or similar services furnished to others who are parties to the coordinating or exchange arrangement.
- G. For the transmission of communications to, from, within and between air carriers, where the customer is an aeronautical communications company licensed under the Aviation Services rules of the Federal Communications Commission to operate stations in the aeronautical mobile and fixed services.
- H. For the transmission of communications to or from any station on a service furnished to the United States Postal Service for its use in the provision of its Facsimile Mail Service.

#### B2.2.2 Unlawful Purposes

The service is furnished subject to the condition that it will not be used for any unlawful purpose. Service will be discontinued if any law enforcement agency, acting within its apparent jurisdiction, advises in writing that such service or channels are being used in violation of law. The Company will refuse to furnish service when it has reasonable grounds to believe that such service will be used in violation of law.

#### B2.2.3 Use by Others

- A. Private line service shall not be used for any purpose for which payment or other compensation shall be received by either the customer or any authorized user or in the collection, transmission, or delivery of any communications for others, except as provided in B2.2.1.F. and G. preceding *and except as provided below*.

This prohibition also does not apply to:

1. Resale by the State of North Carolina in connection with Senate Bill 304 which allows cities and counties to participate in the State telephone network;
  2. Resale of interexchange private line "like" services as obtained from Section E7. of the Access Services Price List by certified interexchange carriers;
  3. Resale allowed by NCUC Rule R14A; and
  4. Resale of local exchange and exchange access service subscribers certified by the NCUC as competitive local providers.
- B. Private line services are furnished for use between two or more designated premises. The services are intended only for communications in which the customer or an authorized user has a direct interest.

#### B2.2.4 (Reserved for future use)

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 9  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.2 Use (Cont'd)

#### B2.2.5 For Different Types of Transmission on a Simultaneous Basis

A private line may be used for different types of transmission simultaneously as provided in A. through C. and B2.2.6 following in accordance with the normal transmission characteristics of such a private line.

- A. When used for the remote operation of a mobile radiotelephone system, it may be used simultaneously for voice communication and to transmit more than one tone in sequence or simultaneously for control purposes.
- B. When used for control, metering or signaling purposes, it may be used to transmit more than one tone in sequence or simultaneously for such purposes.
- C. When used for alternate voice and data transmission and arranged for duplex operation, it may be used for voice transmission in one direction and data transmission in the other direction simultaneously.

#### B2.2.6 Channel Derivation

Additional channels may be created from a channel provided for private line service use as provided in A. *through* C. following:

- A. Customers or authorized users by use of their own equipment, and in accordance with the normal transmission characteristics of the private line, may create additional channels from channels furnished by the Company if the channels are furnished by the Company for, and if the channels thus created are used for (1) remote operation of mobile systems or (2) remote metering, supervisory control or signaling purposes.
- B. Customers or authorized users by use of their own equipment, and in accordance with the normal transmission characteristics of the grade of channel ordered may create additional channels for any type of communication, except as specified in A. preceding, by subdividing:
  - 1. A channel of a type number lower than **6000** or a Series 10001 channel.
  - 2. However, such channels may not be created from a private line utilizing Types 1101, 1001, 1102, 1002.
- C. The use of equipment provided by customers or authorized users to create additional channels from channels furnished by the Company is subject to the regulations contained in B2.6.1 and B2.6.2. following.

NORTH STATE TELEPHONE  
 COMPANY  
 High Point, North Carolina

Section 2  
 Original Sheet 10  
 Effective: December 31, 2008

**B2. REGULATIONS**

**B2.2 Use (Cont'd)**

**B2.2.6 Channel Derivation (Cont'd)**

- D. The Company makes no representation as to the suitability of the channels provided by it for such subdivision into additional channels by such equipment.

**B2.2.7 Connections Involving Private Line Services**

- A. Connections involving private line service may be made as authorized in B2.1.4 preceding and B2.6 following.
- B. Connections may also be made whereby a private line customer with FiberBand service or DigiRing service, in order to meet their communication needs, may connect to intraLATA services billed to another customer. These connections may be made via a Private Line Connection Arrangement whereby the FiberBand service or DigiRing service customer is considered a Host Customer and the customer connecting to the Host Customer's service is considered a Connecting Customer. Such connections may be made when the Connecting Customer's intraLATA service that is being connected to the Host Customer's FiberBand service or DigiRing service is for the use of the Host Customer in the conduct of his business. The Host Customer shall certify in writing, the name of the Connecting Customer and that such services that are being connected to his FiberBand service or DigiRing service arrangement are for his use in the conduct of his business. Also, the Host Customer shall provide the Connecting Facility Assignment (CFA) associated with his FiberBand service or DigiRing service that will be used to connect to the Connecting Customer's service.

Where the Host Customer subscribes to FiberBand service or DigiRing service under Channel Services Payment Plan (CSPP) terms, the payment period for the connecting customer's directly associated rate elements must have a termination date that is equal to or less than that of the Host Customer's service. Where the Host Customer receives services under month-to-month payment terms, a Connecting Customer must also receive service under month-to-month payment terms. Disconnection of a Connecting Customer's service under CSPP terms creates no associated termination or payment obligations for the Host Customer. However, if the Host Customer plans to disconnect his FiberBand service or DigiRing service under CSPP, he must notify the Connecting Customer of the planned/pending disconnect and the Connecting Customer is responsible for any remaining payment obligations for his part of the Private Line Connection Arrangement.

A one-time coordination charge will be assessed with the establishment of a Private Line Connection Arrangement. A Private Line Connection Arrangement Coordination Charge is required for each Host Customer/Connecting Customer arrangement. The Host Customer is responsible for payment of the Private Line Connection Arrangement Coordination Charge. In addition to the coordination charge, a separate nonrecurring charge will apply to process each service order on a Private Line Connection Arrangement account. The charge to process each order is called a Private Line Connecting Arrangement Order Charge and is paid by the Connecting Customer. Charges for coordination and service order processing are as follows:

	<u>Nonrecurring Charge</u>	<u>USOC</u>
Private Line Connecting Arrangement Coordination Charge - per arrangement	\$75.00	QCACC
Private Line Connecting Arrangement Order Charge - per service order	60.00	QCAOC

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 11  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.3 Obligations of the Customer**

#### **B2.3.1 Customer Responsibilities**

The customer shall be responsible for:

- A. Establishing his identity in the course of any communication as often as may be necessary.
- B. Establishing the identity of the person or persons with whom connection is made at the called station.
- C. Damage, loss or destruction of any of the Company's apparatus due to the negligence or willful act of the customer or authorized user and not due to ordinary wear and tear or to fire or other causes beyond the control of the customer, the customer shall be responsible for the cost of replacing the apparatus destroyed or for the cost of restoring the apparatus to its original condition.
- D. Reimbursing the Company for any loss through theft of the equipment or apparatus on the customer's premises.
- E. The provision of power, space and supporting structures required to operate the Company services installed on the premises of the customer or authorized user.
- F. The provision, installation and maintenance of sealed conduit with explosive-proof fittings between equipment in explosive atmospheres and points outside the hazardous area where connection may be made with regular facilities of the Company, and may be required to install and maintain equipment within the hazardous area if, in the opinion of the Company, injury or damage to Company employees or property might result from installation or maintenance by the Company.
- G. Obtaining permission for Company agents or employees to enter the premises of the customer or authorized user, or at any reasonable hour for the purpose of installing, inspecting, repairing or, upon termination of the service, removing the facilities of the Company.
- H. Making Company facilities available periodically for maintenance purposes at a time agreeable to both the Company and the customer. No allowance will be made for the period during which the service is interrupted for such purposes.

#### **B2.3.2 Rearrangements and Repairs**

A customer or authorized user may not rearrange, disconnect, remove or attempt to repair or permit others to rearrange, disconnect, remove or attempt to repair any apparatus or wiring installed by the Company, except upon the written consent of the Company.

#### **B2.3.3 Transfer of Service**

- A. Service previously furnished one subscriber may be assumed by a new subscriber if the new subscriber willingly assumes all existing financial responsibility for the account once such service has been canceled or abandoned by the previous subscriber providing there is no lapse in the rendition of service. After the new subscriber assumes financial responsibility, all future bills will be rendered to the new subscriber.

Such transfers are not subject to installation charges applicable for Private Line Service.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 12  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances

#### B2.4.1 Payment of Charges and Deposits

- B. The customer is responsible for payment of all charges for services furnished the customer in accordance with the Company's regular billing and collection practice.
- C. Applicants for service who have no account with the Company or whose financial responsibility is not a matter of general knowledge, may be required to make an advance payment at the time an application for service is placed with the Company, equal to the service connection or installation charges, if applicable, and at least one month's charges for the service provided. In addition, where the furnishing of service involves an unusual investment, applicants may be required to make payment in advance of such portion of the estimated cost of the installation or construction as is to be borne by them. The amount of the advance payment is credited to the customer's account as applying to any indebtedness of the customer for the service furnished.
- D. The Company may, in order to safeguard its interests, require an applicant or customer to make such deposit as the Company deems suitable to be held by the Company as a guarantee of the payment of charges. The fact that a deposit has been made in no way relieves the applicant or customer from complying with the Company's regulations as to advance payments or the prompt payment of bills on presentation. At such time as the service is terminated the amount of the deposit is credited to the customer's account and any credit balance which may remain is refunded. At the option of the Company such a deposit may be refunded in all or part or credited to the customer at any time prior to the termination of the service. In case of a cash deposit, interest at the rate of eight percent per annum is paid for the period which the deposit is held by the Company.
- E. The requirements set forth in A., B. and C. preceding are based on Rule R12-1 through R12-9 of the North Carolina Utilities Commission. These rules are set forth in Section 2.4.2 and 2.4.3 of the General Exchange Price List. The Company may take action in accordance with those rules when in its judgment the conditions justify such action.
- F. The customers will be informed that payment for channel nonrecurring charges can be paid in installments, if desired. The minimum initial payment for the nonrecurring charges is ten percent of the total nonrecurring charge and payments may be extended over a six month period. No billing of less than one-sixth (1/6) of the remaining balance will be made.
- G. When a check or draft tendered for payment of a customer's account is subsequently returned by the institution on which it is written due to failure of the issuing institution to honor the check or draft for a good and sufficient reason, a fee *up to the maximum allowed by law* will be charged the customer for each such returned check or draft.
- H. The Company at its option for good cause may refuse to accept a check or draft tendered as payment on a customer's account.
- I. A late payment charge of one percent applies to each subscriber's bill (including amounts billed in accordance with the Company's Billing and Collection Services Price List) when the previous month's bill has not been paid in full within twenty-five days from the billing date. The one percent charge is applied to the total unpaid amount carried forward and is included in the total amount due on the subscriber's current bill.

#### B2.4.2 Cancellation for Cause

- A. The Company by written notice to the customer may immediately discontinue the furnishing of private line service without incurring any liability upon:
  1. Nonpayment of any sum due the Company, or
  2. A violation of any condition governing the furnishing of service.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 13  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.3 Minimum Service Period and Fractional Rates and Charges

- A. The minimum period for which service is furnished is one month unless otherwise specified, except when the cost of special construction is such as to necessitate a longer contract period or where basic termination charges apply. *The minimum period for DigiRing service is twelve months.*
- B. When monthly rates are specified, the minimum charge will be for one month. If the period of use exceeds one month, the charges for the fractional part of a month following and consecutive with a full month will be a part of the monthly charge based on the proportion that the actual number of days service is furnished bears to 30 days.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 14  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.3 Minimum Service Period and Fractional Rates and Charges (Cont'd)

- C. When rates involve a fraction of a cent, the fraction is carried throughout the computation of charge. When the computed charge includes a fraction of a cent, fractions of one-half cent or more are treated as one cent and fractions of less than one-half cent are disregarded.

#### B2.4.4 Cancellation of Application for Service

- A. Where the applicant cancels an application for service prior to the start of special construction of facilities, no charge applies.
- B. **(Reserved for future use)**
- C. Where special construction of facilities has been started prior to the cancellation and to the extent there is another requirement for the specially constructed facilities, no charge applies.
- D. Where special construction of facilities has been started prior to the cancellation, and there is no other requirement for the specially constructed facilities, a charge equal to the costs incurred in the special construction, less net salvage, applies, except that, where one or more, but not all, of the services involved in the special construction are canceled, a charge equal to the charge for discontinuance of such services applies instead. Such charge is determined as set forth in Section B5. In determining the charge, each canceled service is treated as discontinued as of the date on which it was to have been placed in service.
- E. Special construction of facilities for a customer is considered to have started when the Company incurs any expense in connection therewith or in preparation thereof which would not otherwise have been incurred, provided:
1. The customer has advised the Company to proceed with the special construction, and
  2. The Company has advised the customer that, in accordance with his order, it is commencing the special construction.
- F. When equipment has been ordered for the specific needs of a customer and the installation thereof is unduly delayed by or at the request of the customer, appropriate charges apply for such equipment for the period of the delay.
- G. When a customer requests a change in location of all or a part of the facilities covered by his application for service or requests additions, rearrangements or modifications of his existing service and equipment prior to completion of the work involved, he is required to pay the difference between the total costs and expenses incurred by the Company in completing the work involved and that which would have been incurred had the final location of the facilities been specified initially.
- H. When a customer cancels an order for DigiRing service prior to the beginning of the selected service period, the customer will be liable for all installation costs incurred by the Company in provisioning the DigiRing service, as of the date of the order is canceled by the customer. The charges billed to the customer will not exceed an amount equal to the minimum period for the service as set forth in B2.4.3 of this Price List at the month-to-month rates set forth in Section B7. of this Price List. Such charges will be billed in addition to and subsequent to the cancellation charges set forth in B2.4.14 following.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 15  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.5 Change in Service Arrangements

- A. When a change in service arrangement involves the continued use by the customer of services furnished by the Company, installation charges, as provided in this Price List do not apply to the services continued in use. Continued use of the service is considered to exist where:
1. The service arrangement or a portion of the service arrangement is reused on an existing service or to establish a new service for the same customer, or
  2. The service arrangement or a portion of the service arrangement remains intact when the customer, as defined herein, is changed due to corporate merger or outright purchase, or
  3. The portion of the service arrangement connecting an authorized user's premises to customer's service is transferred to a service of another customer, and provided that:
    - a. There is no break in the continuity of the service, and
    - b. No redetermination or change of the services provided at the customer's or authorized user's, premises, or at the Company central office takes place.
- B. The minimum service period for the services continued in use is determined from the date of initial installation thereof.

#### B2.4.6 Suspension of Service

- A. Private line service may not be suspended in lieu of cancellation.

#### B2.4.7 Temporary Surrender of a Private Line Service

When, at the request of the Company, service is temporarily surrendered by the customer, credit will be allowed, the amount of which will be determined in the same manner as for an allowance for interruptions, as provided in B2.4.8 following.

#### B2.4.8 Allowance for Interruptions

- A. When service is interrupted due to causes other than the negligence of the customer, or to the failure of facilities furnished by the customer, a credit allowance will be made upon request *as set forth following, or in the respective Price List section appropriate for each service*, for the portion of the service which is affected<sup>1</sup>. For the purpose of determining the amount of allowance every month is considered to have 30 days and only those stations on the interrupted portions of a service shall be considered in determining the number of stations affected. Long distance message telecommunications service furnished at the customer's request, when his service utilizing a Series 2000 interoffice channel is interrupted is charged for at the regular message toll telephone rates.

An interruption period starts when the customer reports the interruption to the Company, and ends when the service is operative.

No credit allowance will be made for interruptions of a service due to the failure of equipment or systems provided by the customer or others.

- B. **Reserved for future use**



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 16  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.8 Allowance for Interruptions (Cont'd)

**C. Reserved future use**

**D.** For service utilizing channels of a Series or Type other than those in A. preceding, no credit is allowed for interruption to service of less than thirty minutes. Interruptions of thirty minutes or over are credited to the customer at the proportionate monthly charge in half-hour multiples for each half-hour or major fraction thereof of interruption.

**E.** No credit allowance will be made for interruptions of a service due to the failure of equipment or systems provided by the customer or others.

**F.** For Self-healing Multi-nodal Alternate Route Topology Ring (DigiRing) service, a credit for a service interruption shall apply when any one failure of the Company's equipment occurs resulting in a service outage of the entire system and the system does not automatically self-heal around the point of failure within *one (1) second*. No credit shall apply unless the customer reports the service interruption to the Company and the trouble is found in the Company equipment based on information provided by the network surveillance system associated with the service. The credit shall equal the total of all the monthly charges for the service provided, however, no more than one credit shall apply per any given rate element for any given month regardless of the number of interruptions occurring during that month.

For service interruptions of less than the entire system resulting from a failure of the Company's equipment for DigiRing service where the system does not automatically self-heal around the point of failure, credit shall be allowed only for an interruption of *one (1) minute* or more. The credit will begin when the customer reports the interruption to the Company. This credit shall be at the rate of 1/1440 of the total monthly charges assessed for that portion of the service that is interrupted for each period of 30 minutes or major fraction thereof that the interruption continues.

Credit allowances will not apply if service is interrupted during customer requested upgrades and/or additions to the DigiRing service or during customer requested rearrangements.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 17  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.9 Optional Payment Plan

##### A. Channel Services Payment Plan

###### 1. General

- a. The regulations specified herein are applicable to specific facilities as indicated in the appropriate sections of this Price List for channel services.
- b. Facilities furnished under the Channel Services Payment Plan (CSPP) are subject to all general regulations applicable to the provision of service by the Company as stated elsewhere in this Price List except as noted herein.
- c. The CSPP is a payment plan which allows customers to pay fixed or variable rates for channel service equipment and facilities over optional contractual payment periods. A specific monthly rate applies for the duration of each period as follows, except as specified otherwise in this Price List.
  - (1) 36 month Term Payment Plan - payment periods may be selected from 24 months to 48 months in length, at 36 month rates and charges.
  - (2) 60 month Term Payment Plan - payment periods may be selected from 49 months to 72 months in length, at 60 month rates and charges.
  - (3) 84 month Term Payment Plan - payment periods may be selected from 73 months to 96 months in length, at 84 month rates and charges.
- d. When the customer selects a payment period or extends an existing payment period beyond a 96 month service period, the 84 month Term Payment Plan (or the longest available Price Listed service period) rates will apply.
- e. When the customer orders service to be provided under a CSPP arrangement, the customer must designate to the Company the payment plan and the service period desired, e.g. 84 month Term Payment Plan and 96 months.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 18  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.9 Optional Payment Plan (Cont'd)

##### A. Channel Services Payment Plan (Cont'd)

2. Application of Rates and Charges
  - a. Rates stabilized under a CSPP arrangement are exempt from Company-initiated increases. However, decreases (except for rates changed under a restructure) will automatically flow through to the customer.
  - b. In the event that all or any part of a service is disconnected at customer request prior to expiration of any selected payment period of greater than one month's duration, the customer will be required to pay a termination charge as stated in that service's section of this Price List.
  - c. When customers renew or change the length of their payment period, the rates applicable for the new period are those currently in effect at the time of the renewal or change in the length of the payment period. A service order charge will not be applicable for such renewals or changes to the payment period.
  - d. Recurring rates and installation, termination, service establishment, Service Connection and other nonrecurring charges apply according to the appropriate schedules for services offered as associated items to Channel Services, and are filed elsewhere in this Price List.
  - e. Customer requests for inside moves of service will not affect the contract period.
  - f. Where applicable, a change in jurisdiction will not constitute a disconnect of service provided the new CSPP arrangement is a minimum 24 month service period or equals/exceeds the remaining service period, whichever is greater, and provided the new CSPP arrangement is for the same customer at the same location for the same capacity service.
3. Additions
  - a. Facilities can be added to an existing system where capacity permits. Additions of services or rate elements for activating spare or unused capacities of a service under a CSPP arrangement will be coterminous with the existing CSPP arrangement.
  - b. Additions of services or rate elements, i.e. new local channels, interoffice channels, etc., other than for activating spare or unused capacities, must be under a new CSPP arrangement at rates and charges as specified in 2. preceding.
  - c. Termination charges for premature disconnection of added contractual services will apply as set forth under Disconnects as stated in 4. following.
  - d. Additions under CSPP are exempt from Company-initiated rate changes for all payment periods longer than one month. However, decreases for any rate element will automatically flow through to the customer.
  - e. Nonrecurring charges will apply when new channel equipment and/or facilities are added to an existing customer network.
  - f. Additions of DigiRing service rate elements must be ordered as described in B7.7 of this Price List.
4. Disconnects
  - a. When a service or rate element, included under a CSPP arrangement, is disconnected prior to expiration of the selected service period, termination charges apply as set forth in the rate regulations in this Price List for such service. Remaining services or rate elements will not be affected by such disconnections.

NORTH STATE TELEPHONE  
 COMPANY  
 High Point, North Carolina

Section 2  
 Original Sheet 19  
 Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.9 Optional Payment Plan (Cont'd)

##### A. Channel Services Payment Plan (Cont'd)

##### 4. Disconnects (Cont'd)

- b. When a Price Listed service under a CSPP arrangement is disconnected prior to the expiration of a selected service period as a result of a change of Price List jurisdiction and/or a customer requested change to a higher order of a separately Price Listed service, termination charges will not apply when:

- the completed service period, for DigiRing service, is 12 months, or 25 percent of the length of the originally selected CSPP service period, whichever is greater, and
- the service period of the new CSPP arrangement for the higher order of service is a minimum 24 month service period or equals/exceeds the remaining service period of the disconnected arrangement, whichever is greater, and
- the service orders to install the new higher order of service and disconnect the old service are related together, and there is no lapse in service between installation of the higher order of service and disconnection of the existing service, and
- the service orders are for the same customer at the same location.

For the purposes of determining a higher order of service, the following ranking will be used (Analog=lowest, DigiRing service=highest):

- Analog Voice Grade Services
- DDS Service
- DigiServ Service/DigiServ Channel Service
- DigiServ Light Service
- DigiServ Plus Service
- DigiRing Service

##### 5. Moves of Equipment

- a. The appropriate nonrecurring charges for inside moves for items associated with channel services as specified in this and other Price Lists are applicable. This type movement will not affect the contract period.
- b. Customer requests for moves of service(s) under CSPP, other than inside moves, will be subject to the conditions stated in 11. following.

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.9 Optional Payment Plan (Cont'd)

##### A. Channel Services Payment Plan (Cont'd)

6. Requests for Changes in Length of Optional Payment Period
  - a. Subsequent to the establishment of a contract with a CSPP period, and prior to the completion of that period, the existing payment period may be replaced by:
    - (1) A currently offered payment period at the current rates, with a length equal to or longer than the time remaining in the existing service agreement, subject to the following conditions:
      - No credit will be given for payments made during the formerly selected period.
      - The new payment period begins with the *new CSPP effective date*.
      - No termination charge applies for the remaining portion of the former payment period.
      - Nonrecurring charges will not be reapplied.
      - A service order charge will not apply.
    - (2) A currently offered payment period at the current rates, with a length shorter than the time remaining in the existing service agreement, subject to the following conditions:
      - No credit will be given for payments made during the formerly selected period.
      - The new payment period begins with the *new CSPP effective date*.
      - A termination charge applies for the remaining portion of former payment period.
      - Nonrecurring charges will not be reapplied.
      - A service order charge will not apply.
7. Renewal Options
  - a. The customer has the following renewal options:
    - (1) Prior to completion of the current payment period, any period available under the CSPP may be selected at the rates in effect for new customers at the time of the renewal. The customer will be charged the current rate for the newly selected payment period, commencing the day following completion of the prior payment period.
    - (2) Service may be continued on a month-to-month basis at the current rate for the one-month payment period, unless otherwise specified in this Price List. The customer has no additional service commitment and, consequently, when service is terminated will not be subject to any termination charge. The one month service will be subject to Company-initiated rate adjustments when approved by the *appropriate* regulatory authority.
    - (3) If the customer does not elect an additional payment period or does not request discontinuance of service, service will be continued at the monthly rate currently in effect for the month-to-month payment rate, under the terms specified in (2) preceding.
  - b. Service connection charges are not applicable for services renewed under the CSPP. Any new *channel equipment and/or facilities* added to a customer's network at the time of renewal will be subject to all appropriate nonrecurring charges.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 21  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.4 Payment Arrangements and Credit Allowances (Cont'd)**

#### **B2.4.9 Optional Payment Plan (Cont'd)**

##### **A. Channel Services Payment Plan (Cont'd)**

##### **7. Renewal Options (Cont'd)**

- c. The Company may discontinue or change any or all renewal options with approval of the appropriate regulatory authority.
- d. When a customer renews a CSPP arrangement, the rates and charges in effect on the first day of service of the renewal will apply.
- e. Recognition of previous service will be given to customers who renew an existing CSPP arrangement, for the same or larger system(s) and all associated rate elements at the same location(s), provided that the length of the new CSPP arrangement is a minimum 24 month service period or equals/exceeds the remaining service period of the original CSPP arrangement.
- f. Recognition of previous service will be given to month-to-month customers with a service date of September 28, 1994 or later who convert to a CSPP arrangement, provided the minimum service period has been met. For customers whose service date is September 28, 1994 or earlier, recognition will be given for the previous service back to September 28, 1994. For customers whose service date is later than September 28, 1994, recognition for the previous service will be given back to the actual service date.
- g. To determine the appropriate CSPP Payment Plan for the renewed arrangement, recognition of service will consist of the sum of months in service of the completed service arrangement and the sum of the months of the proposed service period of the CSPP arrangement. For example, a CSPP arrangement for a 36 month service period under the 36 month Term Payment Plan is renewed for 24 months with no changes at the end of the 36 month period. The sum of months for the completed and proposed service periods would equal 60 months and would be billed under the 60 month Term Payment Plan. Another example is a Month-to-Month customer, in service for 15 months, who wishes to convert to a 60 month CSPP arrangement with no changes. The combined service period of the Month-to-Month arrangement and the CSPP arrangement is equal to 75 months, which would be billed under the 84 month Term Payment Plan.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 22  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.9 Optional Payment Plan (Cont'd)

##### A. Channel Services Payment Plan (Cont'd)

##### 8. Transfer of Service

- a. Service may be transferred to a new customer at the same location upon prior written concurrence by the new customer as specified in this Price List. This does not constitute a disconnect of service or a discontinuance of an existing CSPP arrangement. The new customer will be subject to all provisions and equipment configurations currently in effect for the previous customer. Regulations concerning transfer of service between subscribers as stated in other sections of this Price List also apply under CSPP.

##### 9. Deferred Payment

- a. Payment of nonrecurring charges for channel services with contract payment plans may be deferred over the length of the customer's payment period or a shorter period (in annual increments) subject to the conditions specified in this paragraph.
  - (1) The charges to be deferred must be among the following types:  
Nonrecurring Charges  
Service Establishment
  - (2) The customer must select a payment period longer than one month.
  - (3) The total amount of nonrecurring charges as defined in (1) preceding may be deferred.
  - (4) The minimum amount deferrable per CSPP Contract is \$2,000.00.
  - (5) Interest on deferred amounts will be calculated at the rate set forth in the deferred payment agreement executed by the customer. The interest rate to be charged on deferred payment *arrangements made on or after August 20, 1997 is 11.25* percent on an annual *effective* rate basis. If, in the judgment of the Company, this interest rate allowed by law is insufficient to cover the costs of providing the deferred payment option, the Company will suspend, subject to the approval of appropriate regulatory authority, the availability of said option until such time as the costs of providing said option can be recovered through the application of this interest rate. Suspension of the deferred payment option will not affect customers who have executed a deferred payment agreement prior to the effective date of such suspension.
  - (6) The deferred charges (including interest) will be prorated on a monthly basis over the selected deferral period length.
  - (7) All deferred charges must be paid in full when the customer:
    - Selects a payment period with an expiration date prior to the expiration date of the deferral period.
    - Disconnects service, for the system, prior to expiration of the selected deferral period.
    - Fails to pay a monthly amount within 30 days of its due date.
    - Moves a service under CSPP to another location in Company territory within the same state, with the exception of an inside move.
  - (8) The customer may prepay only the total outstanding deferred charges at any time during the selected deferral period. The customer will be given a credit for the amount of unearned interest. The customer may not prepay less than the total of the outstanding deferred charges.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 23  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.9 Optional Payment Plan (Cont'd)

##### A. Channel Services Payment Plan (Cont'd)

###### 10. Prepayment

- a. For payment periods longer than one month, the customer may prepay the total outstanding recurring monthly rates. The prepayment of monthly rates in no way constitutes a purchase and the Company retains full ownership of all services covered by the prepayment. The following conditions apply:
  - (1) Customers who prepay six months or more will have an allowance applied. The prepayment interest rate *is 10.5* percent on an annual *effective* rate basis for customers prepaying on or after *August 20, 1997*.
  - (2) Monthly rates for all services covered by a single Letter of Election must be prepaid. Monthly rates must be prepaid for services added subsequently and placed on the same Letter of Election (i.e., customer-elected coterminous option) with a prepaid system.
  - (3) Customers who change the length of a prepaid payment period will be credited any unused portion of the prepayment, subject to termination charges as specified in (4) following.
  - (4) Customers who prematurely disconnect will have termination charges deducted from the prepaid amount and any balance credited to their bill.

###### 11. Moves of Service(s) under CSPP

- a. Termination charges will not apply to customer requests for moves of service under CSPP from one location to another location subject to the following:
  - (1) The original and new premises locations must be in Company territory within the same state.
  - (2) The move from the original location to the new location must be completed within 30 days of the original premises disconnect date.
  - (3) No lapse in billing will occur for moves of service under CSPP.
  - (4) Orders to disconnect the existing service and reestablish it at the new location must be related.
  - (5) Any rate elements, i.e., local channels, interoffice channels, and/or optional features and functions from the original location that are not reestablished at the new location will be subject to applicable termination charges. While the channel mileage may vary, the number of local channels and the number of interoffice channels must be equal to or greater than the respective numbers of channels at the original location.
  - (6) Any additions made at the new location will be treated as coterminous additions in accordance with 3. preceding.
  - (7) All regulations and charges for changes made to the service coincident to the move shall apply.
  - (8) All appropriate nonrecurring charges for moves of service as specified in this Price List will apply.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 24  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.4 Payment Arrangements and Credit Allowances (Cont'd)**

#### **B2.4.9 Optional Payment Plan (Cont'd)**

- A. Channel Services Payment Plan (Cont'd)
  - 11. Moves of Service(s) under CSPP (Cont'd)
    - a. (Cont'd)
      - (9) Where applicable, moves of service that involve a change of jurisdiction, e.g., intraLATA to interstate will not be treated as a disconnect of service with regard to termination liability application. The customer must subscribe to a payment arrangement offered in the appropriate Price List which is a minimum 24 month service period or equals/exceeds the remaining contract period, whichever is greater.
      - (10) Moves of DigiRing service are subject to the move provisions set forth in Section B7. of this Price List.

#### **B2.4.10 Special Billing Arrangement (SBA)**

- A. General
  - 1. The Special Billing Arrangement is optional for the customer of private line channels used with computerized traffic light control systems. This arrangement allows a substantial portion of the private line monthly recurring Price List charges to be converted to and paid for by a lump sum payment. The remaining private line Price List charges would be paid on a recurring basis.
  - 2. Monthly recurring charges for the services involved are separated into capital and operating requirements. A monthly compounded present worth factor resulting in an equivalent annual rate of eight percent, is applied to the capital requirement portion of the monthly charges in order to establish a lump sum charge. The remaining operating requirement portion would be applied as the reduced monthly charges.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 25  
Effective: December 31, 2008

**B2. REGULATIONS**

**B2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**B2.4.10 Special Billing Arrangement (SBA) (Cont'd)**

**B. Charges**

1. The recurring amounts, which are payable monthly will be adjusted to reflect changes in the filed rates for the services covered by the SBA.
2. Channels added to the traffic light control system after the SBA is established will be billed at the rates as specified in other sections of the Price List; or, if the monthly Price List rates for the additions would exceed a specified amount, a separate SBA may be set up for the additions.

**Monthly  
Rate**

**USOC  
NA**

- (a) Maximum monthly rate **\$221.75**
3. Partial discontinuation of SBA services may result in a refund and/or reduced monthly payments. To determine the amount of refund and/or monthly rate reduction, if any, the existing arrangement must be separated into two separate arrangements, one consisting of services discontinued and the other of services retained. Services discontinued are handled as shown in 4. and 5. following. The services retained will constitute the revised arrangement which will use the same start date as the customer's original plan.
4. If the services provided under the SBA are discontinued by the customer prior to the expiration of the SBA period, the difference between payments made under this arrangement and the total amount the customer would have been billed, had billing been on the normal monthly basis, will be refunded.
5. The services provided under this arrangement will be terminated if any services with which it is associated (included in the same billing account) are discontinued for nonpayment. The refund, if any, due the customer for early termination of the plan will be applied to the unpaid balance of the account. Any remaining amount of refund will be returned to the customer.
6. Nonrecurring charges as filed in this Private Line Service Price List apply to the channels under the SBA.

**C. Special Billing Arrangement Period**

1. The term for the SBA shall be ten years.
2. The Company will inform the customer of pending expiration of the contract term for services provided under the SBA approximately thirty days before expiration.

**B2.4.11 Reserved for Future Use**

**B2.4.12 Reserved For Future Use**

**B2.4.13 Service Order Modifications**

**A. Service Date Change**

1. Service dates for installation of new services or rearrangements of existing services may be changed at no charge to the customer provided that the change does not require service to be made available on an expedited basis.

**B. Expedited Order Charge**

1. If a customer desires that service be provided on an earlier date than the normal installation interval, the customer may request that service be provided on an expedited basis. If the Company agrees to provide the service on an expedited basis, an Expedited Order Charge will apply.
2. If the Company is subsequently unable to meet an agreed upon expedited service date, no Expedited Order Charge will apply unless the missed service date was caused by the customer.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 26  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.13 Service Order Modifications (Cont'd)

- B.** Expedited Order Charge (Cont'd)
3. The Expedited Order Charge is based on the extent to which the service order has been processed at the time the Company agrees to the service date improvement and is calculated as follows:
    - a. Based on the critical dates associated with the service order, as defined in B2.4.14.B.4.b following, the Company will determine which critical date will be next completed on the order.
    - b. Using the table in B2.4.14.B.4.e, following and the critical date as determined preceding, the Company will determine the percent of the provisioning interval not yet completed by subtracting the percent shown on the table from 100.
    - c. The Company will apply this percentage to the sum of all the non-recurring charges associated with the order and divide this sum by the number of days remaining in the original service interval.
    - d. The per day charges so developed will then be applied on a per day of improvement basis, per order, but in no event shall the charge exceed fifty percent of the total nonrecurring charges associated with the service order.
  4. When the request for expediting occurs subsequent to the issuance of the service order, a Service Date Change Charge as set forth in A. preceding also applies.
  5. The Expedited Order Charge applicable to non-design circuits will be equal to fifty percent of the total nonrecurring charges associated with the service order.

#### B2.4.14 Cancellation of a Service Order

- A.** A customer may cancel a service order for the installation of service at any time prior to notification by the Company that service is available for the customer's use. The cancellation date is the date the Company receives written or verbal notice from the customer that the order is canceled. If a customer is unable to accept service within 30 calendar days after the original service date, the customer has the choice of the following options:
- The service order shall be canceled and charges set forth in B. following will apply, or
  - Billing for the service will commence.
- In any event, the cancellation date or the date billing is to commence (depending on which option is selected by the customer) shall be the 31st day beyond the original service date of the service order.
- B.** When a customer cancels a service order for the installation of service, a cancellation charge will apply as follows:
1. Costs incurred in conjunction with the provision of Private Line Service start on the Application Date as defined in 4.b. following.
  2. When the customer cancels a service order prior to the Scheduled Issue Date, as defined in 4.b. following, no charges shall apply.
  3. When the customer cancels a service order on or after the Scheduled Issue Date, a charge equal to the estimated costs incurred by the Company shall apply. Such charge is determined as specified in 4. following.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 27  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.14 Cancellation of a Service Order (Cont'd)

- B.** When a customer cancels a service order for the installation of service, a cancellation charge will apply as follows: (Cont'd)
4. Charges applicable as specified in 3. preceding are based on the estimated costs incurred by the Company at the time the order is canceled. The estimated costs incurred are determined based on the following.
    - a. Certain Company critical dates are associated with a service order provisioning interval, whether standard or negotiated. These dates are used by the Company to monitor the progress of the provisioning process. At any point in the service order interval the Company is able to determine which critical date was last and can thus determine what percentage of the Company's provisioning costs have been incurred as of that critical date
    - b. The critical dates tracked by the Company are as follows:
      - Application Date (APP): The date the customer provides to the Company, (1) a firm commitment for service and (2) sufficient information to enable the Company to begin service provisioning. This is also the order date.
      - Scheduled Issue Date (SID): The date that the order is to enter the Company's order distribution system.
      - Records Issue Date (RID): The date that all design and assignment information is to be sent to the central office and installation forces.
      - Wired and Office Tested Date (WOT): The date by which all intraoffice wiring is to be completed, all plug-ins optioned, aligned, and frame continuity established, and the inter-office facilities, if applicable, tested. In addition, switching equipment, including translation loading, is to be installed and tested.
      - Plant Test Date (PTD): The date on which overall testing of the service is to be started.
      - Engineering Information Report Date (EIRD): The date the engineering group in another ISS area provides information to the primary engineering group.
      - Service Date (SD): The date on which service is to be made available to the customer. This is sometimes referred to as the Due Date.
      - Designed, Verified, and Assigned Date (DVA): The date by which field implementation groups must report that all documents and materials have been received.
      - Frame Continuity Date (FCD): Date on which frame-to-frame testing must be completed. This is sometimes referred to as the Facility Continuity Check Date.
      - Loop Assignment and Make-up Date (LAM): The date by which Local Loop Assignment and Make-up information must be available.
    - c. The percentage of the total provisioning cost incurred by the Company at a particular critical date varies by the type of service shown in e. following.
    - d. When a customer cancels a service order, or part of a service order, before the service date, the Company will apply cancellation charges to the order. Cancellation charges are calculated by multiplying all the nonrecurring charges associated with the order, or that part of the order being canceled, by the percentage shown in e. following for the critical date last completed on the order.

**B2. REGULATIONS**

**B2.4 Payment Arrangements and Credit Allowances (Cont'd)**

**B2.4.14 Cancellation of a Service Order (Cont'd)**

B. When a customer cancels a service order for the installation of service, a cancellation charge will apply as follows: (Cont'd)

4. Charges applicable as specified in 3. preceding are based on the estimated costs incurred by the Company at the time the order is canceled. The estimated costs incurred are determined based on the following. (Cont'd)

e. Cancellation Charge Percentages

TYPE SERVICE/ CRITICAL DATES	AFTER: SID BEFORE: LAM	LAM EIRD	EIRD RID	RID DVA	DVA WOT	WOT FCD	FCD PTD	PTD DD	DD
VOICE GRADE	7	11	15	19	28	35	50	82	100
METALLIC GRADE	8	12	16	20	29	36	49	81	100
DigiServ SERVICE	21	26	29	33	40	45	58	86	100
DigiServ CHANNEL SERVICE	21	26	29	33	40	45	58	86	100
DigiServ LIGHT SERVICE	21	26	29	33	40	45	58	86	100
DigiServ PLUS SERVICE	21	26	29	33	40	45	58	86	100
DDS SERVICE	7	13	19	24	30	42	55	84	100
DigiRing Service	21	26	29	33	40	45	58	86	100
FiberBand Service	21	26	29	33	40	45	58	86	100

f. Cancellation charges for non-design circuits are calculated by multiplying all the nonrecurring charges associated with the order, or that part of the order being canceled, by 25 percent if the order is canceled after the Application Date but before the Due Date. If the order is canceled on the Due Date, 100 percent of the nonrecurring charges will apply.

C. When a customer cancels an order for the discontinuance of service no charges apply for the cancellation.

D. If the Company misses a service date by more than 30 days due to circumstances over which it has direct control (excluding, e.g., acts of God, governmental requirements, work stoppages and civil commotion's), the customer may cancel the service order without incurring cancellation charges.

**B2.4.15 Billing of Private Line Service Provided by Multiple Companies**

A. Multiple Bill Arrangement

1. General

If agreed to by the Exchange Telephone Companies involved in the provision of the private line service and subject to North Carolina Utilities Commission approval and appropriate Price List provisioning, each company will bill for the portion of the private line service that it provides based on their Price List regulations, rates and charges as appropriate.

**B2. REGULATIONS****B2.4 Payment Arrangements and Credit Allowances (Cont'd)****B2.4.15 Billing of Private Line Service Provided by Multiple Companies (Cont'd)**

- A. Multiple Bill Arrangement (Cont'd)**
2. Rating and Billing of Service  
The charges billed by this Company for the interoffice channel between Exchange Telephone Company central offices, are determined as follows:
  3. The total airline mileage for the service is computed using the V&H coordinates set forth in the National Exchange Carrier Association, Inc. Price List F.C.C. No. 4.
  4. A billing factor is determined from the National Exchange Carrier Association, Inc. Price List F.C.C. No. 4. This factor represents the percentage of the distance between Exchange Telephone Company central offices that will be billed by this Company. The billing factor is multiplied by the total charge for all of the miles to determine the amount to be billed by the Company.
  5. For the fixed recurring rate element and the Nonrecurring Charge associated with the interoffice channel between Exchange Telephone Company central offices, fifty percent of the Company's rate will apply for each end of the interoffice channel provided. If this Company does not bill for either end of the interoffice channel, then the fixed recurring charge and nonrecurring charge of this Company shall not apply.
- B. Single Bill Arrangement**
1. General  
If agreed to by the Exchange Telephone Companies involved in the provision of the private line service and subject to North Carolina Utilities Commission approval and appropriate Price List provisioning, a single bill will be provided.
  2. Rating and Billing of Service  
The billing company will be as agreed to by the Exchange Telephone Companies involved in the provision of the service. Under the single bill arrangement, the billing company will bill and collect all appropriate charges in accordance with the regulations, rates and charges in its Price List.

**B2.4.16 Reserved for Future Use****B2.4.17 Service Installation Guarantee**

- A.** The Company assures that orders for services to which the Service Installation Guarantee (SIG) applies will be installed and available for customer use no later than the Service Date as specified in B2.4.4.B preceding. The SIG is applicable only as specified in B. and C. following, and B2.1.4 preceding.
- B.** The failure of the Company to meet this commitment will result in the credit of an amount equal to the nonrecurring charges associated with the individual service having the missed Service Date being applied to the customer's bill. The credit will include only nonrecurring charges associated with the services as specified in B2.1.4 preceding for which nonrecurring charges are applicable. The nonrecurring charges will be credited at the rate at which they were billed. The credit will not be provided if a credit of the same nonrecurring charge for the same service is provided under any other provisions of this Price List.

## B2. REGULATIONS

### B2.4 Payment Arrangements and Credit Allowances (Cont'd)

#### B2.4.17 Service Installation Guarantee (Cont'd)

- C. Service Installation Guarantee does not apply:
1. when failure to meet the Service Date occurs because of:
    - a. any act or omission of this customer, any other customer or any third party, or of any other entity providing a portion of a service,
    - b. labor difficulties, government orders, civil commotion's, criminal actions against the Company, acts of God, war, or other circumstances beyond the Company's control,
    - c. unavailability of the customer's facilities and/or equipment,
    - d. a shortage of facilities that requires message toll and exchange line services takes precedence over Private Line services as set forth in B2.1.2 preceding.
  2. to service requiring construction charges as set forth in B2.1.5 preceding and Section B5 following,
  3. to Specialized Service or Arrangement or Individual Case Basis filings,
  4. for jointly provisioned services, and
  5. to other telephone companies concurring in the rates and regulations of the Company

In addition, Service Installation Guarantees will not apply during a declared National Emergency. Priority installation of National Security Preparedness (NSEP) telecommunications services shall take precedence.

### B2.5 Definitions

Certain terms used generally throughout this Price List are defined below.

#### ACCESSORIES

The term "Accessories" denotes devices which are mechanically attached to, or used with, the facilities furnished by the Company and which are independent of, and not electrically, acoustically, or inductively connected to the conductors in the communications path of the Company facilities.

#### ANOTHER TELEPHONE COMPANY

The term "Another Telephone Company" denotes a corporation, association, firm or individual owning and operating a toll line or one or more central offices and with whom traffic is interchanged.

**B2. REGULATIONS****B2.5 Definitions (Cont'd)****AUTHORIZED PROTECTIVE CONNECTING MODULE**

The term "Authorized Protective Connecting Module" denotes a protective unit designed by the Company and manufactured under the control of the Company quality assurance procedures, which unit is to be incorporated in a conforming answering device.

**AUTHORIZED USER**

The term "Authorized User" denotes a person, firm or corporation (other than the customer) who may communicate over a private line or channel according to the terms of the Price List, and (1) on whose premises a station of the private line service is located, or (2) who receives from or sends to the customer over such private line or channel communications relating solely to the business of the customer. An authorized user must be specified in the service contract.

**BAUD**

The term "Baud" denotes a unit of signaling speed. It is the reciprocal of the time duration in seconds of the shortest signal element (mark or space) within a code signal. The speed in bauds is the number of signal elements per second.

**BIPOLAR WITH 8 ZERO SUBSTITUTION (B8ZS)**

The term "Bipolar with 8 Zero Substitution" (B8ZS) denotes a line code which allows transport of an all zero octet over a DS1/1.544 Mbps High Capacity channel. B8ZS enables Clear Channel Capability on DigiServ service.

**BUILDING (SAME)**

The term "Same Building" is to be interpreted as a structure under one roof, or two or more structures under separate roofs but connected by enclosed passageways in which the wires or cable of the Company can be safely run provided the plant facility requirements are not appreciably greater than would be required normally if all structures were under one roof. In those cases where there are several structures under separate roofs but connected by enclosed passageways and the plant facility requirements for furnishing service are appreciably greater than would be required normally if all the structures were under one roof, the term "same building" applies individually to each of the separate structures. Pipes and conduit are not considered enclosed passageways.

**CENTRAL OFFICE**

The term "Central Office" denotes a switching unit providing telephone service to the customers connected thereto.

**CENTRAL OFFICE CONNECTING FACILITY**

The term "Central Office Connecting Facility" denotes a facility furnished to an Other Carrier by the Company (in accordance with the Company's Facilities for Other Carrier's Price Lists) between the terminal location of the Other Carrier and a point of connection on the Company premises.

**CENTREX CONTROL SWITCHING EQUIPMENT**

The term "Centrex Control Switching Equipment" denotes switching equipment, located on the Company's premises, used to provide Centrex service furnished in accordance with Centrex Service provisions of the General Subscriber Service Price List of the Company.

**CENTREX TYPE SERVICES**

Central office based non-transport arrangements which permit abbreviated internal calling and inward and outward calling from station lines associated with MultiLink service, MultiLink PLUS service, *and North State Centrex service.*

**CHANNEL**

The term "Channel" designates the electrical path provided by the Company between two or more stations.



## B2. REGULATIONS

### B2.5 Definitions (Cont'd)

#### BUILDING (SAME)

The term "Same Building" is to be interpreted as a structure under one roof, or two or more structures under separate roofs but connected by enclosed passageways in which the wires or cable of the Company can be safely run provided the plant facility requirements are not appreciably greater than would be required normally if all structures were under one roof. In those cases where there are several structures under separate roofs but connected by enclosed passageways and the plant facility requirements for furnishing service are appreciably greater than would be required normally if all the structures were under one roof, the term "same building" applies individually to each of the separate structures. Pipes and conduit are not considered enclosed passageways.

#### CENTRAL OFFICE

The term "Central Office" denotes a switching unit providing telephone service to the customers connected thereto.

#### CENTRAL OFFICE CONNECTING FACILITY

The term "Central Office Connecting Facility" denotes a facility furnished to an Other Carrier by the Company (in accordance with the Company's Facilities for Other Carrier's Price Lists) between the terminal location of the Other Carrier and a point of connection on the Company premises.

#### CENTREX CONTROL SWITCHING EQUIPMENT

The term "Centrex Control Switching Equipment" denotes switching equipment, located on the Company's premises, used to provide Centrex service furnished in accordance with Centrex Service provisions of the General Subscriber Service Price List of the Company.

#### CHANNEL

The term "Channel" designates the electrical path provided by the Company between two or more stations.

#### CHANNEL TERMINAL

The term "Channel Terminal" denotes that element of a private line service required to terminate within a central office the interoffice or interexchange transmission system.

#### CLEAR CHANNEL CAPABILITY

The term "Clear Channel Capability" denotes the ability to transport twenty-four 64.0 Kbps channels over a **1.544 Mbps (DS1) channel** (i.e., a DigiServ service channel), via B8ZS line code format.

#### COMMUNICATIONS SYSTEMS

The term "Communications Systems" denotes channels and other facilities which are capable, when not connected to private line services, of communications between terminal equipment or Company stations.

#### COMPANY

Whenever used in this Price List, "Company" refer to North State Telephone Company unless the context clearly indicates otherwise.

## B2. REGULATIONS

### B2.5 Definitions (Cont'd)

#### CONFORMANCE NUMBER

The term "Conformance Number" denotes an identifying number assigned by the Company to a particular model of conforming answering device incorporating an authorized protective connecting module when that model or device is in conformance with the provisions set forth by the Company in its technical reference for conforming answering devices.

#### CONFORMING ANSWERING DEVICE

The term "Conforming Answering Device" denotes a device which automatically answers incoming calls; transmits a prerecorded voice message or appropriate audible signal to the calling party; records a voice message from the calling party if so designed and arranged; and automatically disconnects from the line in a prearranged manner on completion of the last of the functions for which it was designed and arranged as described in this paragraph. The conforming answering device may include remote interrogation and/or device function control. A conforming answering device must incorporate an authorized protective connecting module and must bear a valid conformance number.

#### CONNECTING ARRANGEMENT

The term "Connecting Arrangement" denotes the equipment provided by the Company to accomplish the direct electrical connection of customer-provided facilities with the facilities of the Company, or the direct electrical connection of Company facilities.

#### CONTRACT

The term "Contract" refers to the service agreement between a customer and the Company under which facilities for communication between specified locations, for designated periods, and for the use of the customer and the authorized users specifically named in the contract are furnished in accordance with the provisions of this Price List.

#### COORDINATING FACILITIES

The term "Coordinating Facilities" denotes those used for communication between stations on program networks to enable the customer to pass information for the proper handling of his program.

#### CUSTOMER

The term "Customer" denotes the person, firm or corporation which orders service and is responsible for the payment of charges and compliance with Company regulations. No one may be a customer for a private line service who does not have a communication requirement of his own for its own use except as provided in B2.2.1.G. or except that a customer for a private line service jointly used in accordance with B3.1.5 may order the addition of service points to meet the communications requirements of a joint user of such service where such additional service points are required to extend the transmission of communications to or from the private line service for which the customer has a communications requirement of his own.

#### DATA ACCESS ARRANGEMENT

The term "Data Access Arrangement" denotes a connecting arrangement for use on a Private Line Service arranged for data transmission.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 34  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.5 Definitions (Cont'd)**

#### **DEMARICATION POINT**

The demarcation point is the point where the regulated Company's facilities end and the customer's premises wiring begins.

#### **DIRECT ELECTRICAL CONNECTION**

The term "Direct Electrical Connection" denotes a physical connection of the electrical conductors in the communications path.

#### **DISTRIBUTION CENTER**

The term "Distribution Center" as used in connection with Series 6000 channels furnished for music networks indicates amplifying and bridging equipment required to connect the various local sections of a network or to connect local sections to an interexchange section of the network.

#### **DUPLEX SERVICE**

The term "Duplex Service" denotes service which provides for simultaneous transmission in both directions.

#### **EQUALIZATION**

The term "Equalization" denotes the regulation of signal levels within specified limits over a range of frequencies that comprise the stated bandwidth.

#### **EXCHANGE**

The term "Exchange" denotes a unit established by the Company or its connecting companies for the administration of communication service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated plant used in furnishing communication service within that area.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 35  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.5 Definitions (Cont'd)**

#### EXCHANGE AREA

The term "Exchange Area" denotes the territory served by an exchange.

#### HALF-DUPLEX SERVICE

The term "Half-Duplex Service" denotes service which provides for transmission alternately in either direction or for transmission in one direction only including bidirectional simultaneous transmission of tones required solely for control purposes or quick turn around or synchronization.

## B2. REGULATIONS

### B2.5 Definitions (Cont'd)

#### HUB

The term "Hub" denotes a Company designed wire center where bridging or multiplexing functions are performed.

#### INTERFACE

The term "Interface" denotes that point on the premises of the customer or authorized user at which provision is made for connection of other than Company-provided facilities to services provided by the Company.

#### INTERMEDIATE SERVING CENTRAL OFFICE

The term "Intermediate Serving Central Office" refers to a central office from which a service point on a private line is served and through which the private line is routed.

#### INTEROFFICE CHANNEL

The term "Interoffice Channel" denotes that element of a private line service which interconnects local channels which serve customers located in different central office areas (wire center serving areas) within the same exchange.

#### INTRALATA

See Local Access and Transport Area (LATA)

#### LINK

The term "Link" refers to the use of a single local channel and/or an interoffice/interexchange channel as one segment (partial channel) of a 2 point or multi-point arrangement when at least one other segment of the service arrangement is served by DigiServ *service*, *DigiServ Light service*, *DigiServ Plus service*, DigiServchannel service, or DigiXconn service.

#### LOCAL ACCESS AND TRANSPORT AREA (LATA)

The term "Local Access and Transport Area" denotes a geographic area established by the Company for the administration of communications service. It encompasses designated exchanges, which are grouped to serve common social, economic and other purposes.

#### LOCAL CHANNEL

The term "Local Channel" denotes the element of a private line service required for connecting a customer premises to its serving wire center.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 37  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.5 Definitions (Cont'd)**

#### **MOVE**

The term "Move" as used in connection with the application of move charges for private line services denotes a change in the physical location (whether on the same or different premises), when made at the request of the customer without discontinuance of service, of facilities and items of equipment provided by the Company.

The term "Move" as used in connection with termination liability for private line services under CSPP denotes a change in the physical location from one premises to a different premises in Company territory within the same state, when made at the request of the customer.

#### **MULTIPOINT SERVICE**

The term "Multipoint Service" denotes a service which provides communications capability between more than two private line station locations on different premises by means of a bridging or hubbing arrangement.

**B2. REGULATIONS****B2.5 Definitions (Cont'd)****MULTISTATION ARRANGEMENT**

The term "Multistation Arrangement" denotes a service configuration which provides communications capability where:

- a. All stations of a service are located on the same premises consisting of more than two stations.
- b. Stations of a service are located on different premises and more than one station on the same premises are connected to that service.

**NETWORK CONTROL SIGNALING**

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which performs functions such as supervision (control, status, and charging signals), address signaling (e.g., dialing), calling and called number identification, audible tone signals (call progress signals indicating reorder or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operating of switching machines in the telecommunications systems.

**NETWORK CONTROL SIGNALING UNIT**

The term "Network Control Signaling Unit" denotes the terminal equipment furnished for the provision of network control signaling.

**NETWORK INTERFACE**

- a. The Network Interface is a standard registration jack equivalent provided by the Company as a part of exchange access, WATS, or Private Line Services.
- b. The Network Interface will be located at the demarcation point.
- c. No discrete charge is appropriate for miniature jacks used as a Network Interface. When any Network Interface other than a miniature modular jack is used, the current charge for such Network Interface will apply.

**PREMISES (SAME)**

The term "Same Premises" shall be interpreted to mean the building or the portion of the building occupied by the customer, either in the conduct of his business or residence, or a combination thereof, and not intersected by a public corridor or by space occupied by others.

**PRIMARY WIRE CENTER**

The term "Primary Wire Center" denotes the central office or wire center in which the interexchange channel is terminated. In a multiple central office or wire center exchange, the primary wire center is that central office or wire center designated as the principle interexchange end office.

**PRINCIPAL CENTRAL OFFICE**

The term "Principal Central Office" denotes the central office in a single office exchange or to that office of a multioffice exchange which is designated as such for the purposes of measuring intraexchange and interexchange channel mileage.

**PRIVATE LINE CHANNEL SERVICE**

The term "Private Line Channel Service" denotes a channel which provides a path for communications capabilities between two or more station locations and the channel service is not directly connected to the public switched network.

**PRIVATE LINE NETWORK**

The term "Private Line Network" denotes two or more private line units of the same type contracted for by one customer and reaching one or more common service points. The lines may be operated separately or they may be connected or connectable by means of a switching arrangement.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 39  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.5 Definitions (Cont'd)**

#### **RATE CENTER**

The term "Rate Center" for private line services is a specified geographical location within an exchange area from which mileage measurements are determined for the application of interexchange mileage rates.

#### **SAME CONTINUOUS PROPERTY**

The term "Same Continuous Property" shall be interpreted to mean the building or buildings, together with the surrounding land that is not intersected by a public thoroughfare or owned by others.



**B2. REGULATIONS****B2.5 Definitions (Cont'd)****SERVICE CONNECTION CHARGE**

The term "Service Connection Charge" denotes a nonrecurring charge applying to the establishment of a private line channel service for a customer and certain subsequent additions to that service.

**SERVICE INSTALLATION GUARANTEE**

The term "Service Connection Charge" denotes a nonrecurring charge applying to the establishment of a private line channel service for a customer and certain subsequent additions to that service..

The term "Service Installation Guarantee" denotes a program under which the Company will provide a credit to the customer's account for certain services in those instances when the Service Date is not met due to Company reasons.

**SERVICE POINT**

The term "Service Point" when used in connection with private line services denotes an exchange which normally serves the exchange area in which a station of the customer is located, or an exchange in which an *interoffice* channel is terminated in a Company office at the request of the customer.

The term "Service Point" when used in connection with communication channels denotes the point on the customer's premises where channels provided by or furnished to the customer are terminated in transmitting and receiving terminating equipment or switching equipment used, at least in part, for communications with stations or terminal equipment located on the premises.

**SERVING CENTRAL OFFICE**

The term "Serving Central Office" denotes the central office from which a customer or authorized user would normally be served for local exchange telephone service.

**STATION**

The term "Station" as used in connection with private line services:

1. Denotes the transmitting or receiving equipment, or combination transmitting and receiving equipment at any location on a premises and connected for private line service, or
2. Denotes a point on a premises at which a channel is terminated where the service involves only channels and the transmitting or receiving equipment, or combination transmitting and receiving equipment, is furnished by the customer or authorized user or
3. Denotes a termination of a private line a Company office for foreign exchange service or in a switching center of a Switched Circuit Automatic Network or a Common Control Switching Arrangement.

A "Main Station Line" is the station at a location which has been designated by the customer as the principal location or any other station which, at the request of the customer, is connected to the service by a separate local channel.

An "Extension Station Line" is any other station on the same premises as a main station line and which, at the request of the customer, is connected to the same service by an extension to a local channel.

**STUDIO**

The term "Studio" as used in connection with Series 6100 channels indicates fixed premises of a station at which audio material regularly originates or is received for transmission to local distribution systems.

**TELEMETRY/ALARM BRIDGING SERVICE (TABS)****Master Station**

The one station of a multi-point system located on a customer's premises which communicates with, or receives communications from, each remote station.

**Remote Station**

One of the many stations of a multi-point system located on a customer's premises which is connected to the master station via the applicable TABS arrangement.

**B2. REGULATIONS****B2.5 Definitions (Cont'd)****TELEMETRY/ALARM BRIDGING SERVICE (TABS) (Cont'd)****Master Station Channel**

The dedicated private line channel of a TABS system connecting the master station to the primary bridge.

**Remote Station Channel**

The dedicated private line channel of a TABS system connecting each remote station to its bridge.

**Mid-Link Channel**

The dedicated interoffice or interexchange private line channel of a TABS system connecting two bridges located in separate central offices with each other. This channel is only applicable for Split Band, Active Bridging.

**Primary Bridge**

The bridge which is connected directly to the master station via the master station channel.

**Secondary Bridge**

Any bridge in a TABS system which is connected to a primary bridge via a mid-link channel.

**TERMINAL EQUIPMENT**

The term "Terminal Equipment" denotes devices, apparatus and their associated wiring, provided by a customer or authorized user which do not constitute a communications system.

**TERMINATION CHARGE**

The term "Termination Charge" when used in connection with specially constructed facilities denotes the portion of the termination liability that is applied as a nonrecurring charge when services are discontinued prior to the expiration of the specified liability period. The term "Termination Liability" as used in connection with the application of termination charges for Private Line Services denotes the maximum potential charge applicable for the discontinuance, either at the request of the customer or by the Company under its regulations concerning cancellation for cause, of service or facilities provided by the Company.

**TEST EQUIPMENT**

The term "Test Equipment" denotes test equipment located at the premises of the customer that is used by the customer for the detection and/or isolation of a communications service fault.

**WIDEBAND CHANNEL**

The term "Wideband Channel" as used in connection with Series 5000 channels denotes a channel which has the total equivalent of six or more Type 2001 (voice grade) channels.

**WIRE CENTER SERVING AREA**

The term "Wire Center Serving Area" denotes, in most cases, that area of the exchange served by a single wire center. In certain highly concentrated exchanges where wire centers are in close proximity, more than one wire center may be included in the wire center serving area.

**B2.6 Connections****B2.6.1 General Provisions****A. General**

1. Terminal equipment and communications systems provided by the customer or authorized user may be connected at the Customer's premises to private line services furnished by the Company where such connections are made in accordance with the provisions of B2.1.4 preceding and this B2.6.

**B2. REGULATIONS****B2.6 Connections (Cont'd)****B2.6.1 General Provisions (Cont'd)**

- A. General (Cont'd)
2. The term "telecommunications services" when used in this B2.6 denotes exchange service, Long Distance Message Telecommunications Service (LDMTS) and Wide Area Telecommunications Service (WATS).
  3. Any equipment offered herein which has grandfathered status under the Federal Communications Commission's Registration Program is offered and provided only to the extent of available stock.
- B. Responsibility of the Customer
1. The customer or authorized user shall be responsible for the installation, operation and maintenance of any terminal equipment or communications system or any terminal equipment or interstate communications system provided by an OC in B2.6.11.C. following. No combination of terminal equipment or communications system shall require change in or alteration of the equipment or services of the Company, cause electrical hazards to Company personnel, damage to Company equipment, malfunction of Company billing equipment, or degradation of service to persons other than the user of the subject terminal equipment or communications system, his calling or called party. Upon notice from the Company that the terminal equipment or communications system is causing such hazard, damage, malfunction or degradation of service, the Customer shall make such change as shall be necessary to remove or prevent such hazard, damage, malfunction or degradation of service.
  2. Where the customer or authorized user elects to provide data set(s) on a given Company-provided private line, it shall be the responsibility of the customer or authorized user to ensure the continuing compatibility of such data set(s) with the private line service furnished by the Company.
  3. The Customer shall be responsible for the payment of a Maintenance of Service Charge as provided in B2.6.12 for visits by a Company employee to the premises of a customer, authorized user, or OC listed in B2.6.11.C. following when a service difficulty or trouble report results from the use of terminal equipment or communications system provided by the customer, authorized user, or OC.
  4. The consent of the customer must be obtained by the authorized user or OC prior to the connection of terminal equipment or communications systems to a private line provided to the customer.
  5. Where private line services furnished by the Company are used in the provision of a composite data service for others and connection of those private line services is made to a communications system provided by an Other Carrier and the connection is made through data switching equipment, the regulations specified in B2.6.11.C. following are not applicable.
  6. The customer who provides the Premises Wiring of Communications Systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations pursuant to Section 68.215 of Chapter I of Title 47 of that Code of Federal Regulations shall be responsible for the payment of an Institutional Program for Premises Wiring Charge, as provided in B2.6.13 for activities performed by Company employees at the customer's premises pursuant to subsections (f),(g) and/or (h) of said Section 68.215, when the premises wiring in question has failed acceptance tests monitored by, or participated in by, the Company pursuant to Section 68.215, and/or has been revealed to be not in conformance with the information provided in the related affidavit which was provided pursuant to Section 68.215, and/or has resulted in a harm to the network.

**B2. REGULATIONS****B2.6 Connections (Cont'd)****B2.6.1 General Provisions (Cont'd)****C. Responsibility of the Company**

1. Private line services are not represented as adapted to the use of terminal equipment or communications systems. Where such terminal equipment or communications systems are used with private line services, the responsibility of the Company shall be limited to the furnishing of service components suitable for private line services and to the maintenance and operation of service components in a manner proper for such services. Subject to this responsibility the Company shall not be responsible for (1) the through transmission of signals generated by the terminal equipment or communications systems or for the quality of, or defects in, such transmission, or (2) the reception of signals by terminal equipment or communications systems, or (3) address signaling where such signaling is performed tone type signaling equipment provided by the customer, authorized user, or OC listed in B2.6.11.C. following.
2. The Company will, at the customer's request, provide information concerning interface parameters, including the number of ringers which may be connected to a particular line, needed to permit *the* terminal equipment to operate in a manner compatible with the telecommunications network.
3. The Company may make changes in its telecommunications network, equipment, operations or procedures, where such action is not inconsistent with Part 68 of the Federal Communications Commission's Rules and Regulations. If such changes can be reasonably expected to render any terminal equipment or communications system incompatible with the telecommunications network, or require modification or alteration of such terminal equipment or communications systems, or otherwise materially affect its use or performance, the customer will be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service.

**D. Recording of Two-Way Telephone Conversations**

Private line services are not represented as adapted to the recording of two-way telephone conversations. When voice recording equipment is used with a private line service which is connected to telecommunications services, the provisions relating to Recording of Two-Way Telephone Conversations as set forth in Section 15.2.5 of the General Exchange Price List are applicable to such private line service.

**E. Violation of Regulations**

Where any terminal equipment or communications system provided by a customer or authorized user or any terminal equipment or interstate communications systems provided by an OC listed in B2.6.11 following is used with private line services furnished by the Company and any of the provisions in B2.6 are violated the Company will take such immediate action as necessary for the protection of its facilities and will promptly notify the customer, authorized user of the violation. The customer or authorized user shall take such steps as are necessary to discontinue such use of the equipment or system or correct the violation and shall confirm in writing to the Company within 10 days, following the receipt of written notice from the Company, that such use has ceased or that the violation has been corrected. Failure to discontinue such use or to correct the violation and to give the required written confirmation to the Company within the time stated preceding shall result in suspension of the customer's, or authorized user's, service until such time as there is compliance with the provisions of this Price List.

**B2. REGULATIONS****B2.6 Connections (Cont'd)****B2.6.1 General Provisions (Cont'd)****F. Definitions****Grandfathered Communications Systems**

The term "Grandfathered Communications Systems" as used in this Price List denotes communications system (including their equipment, premises wiring and protective circuitry, if any) connected at the customer's premises, in accordance with any Telephone Company's Price Lists, and that are considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, (a) such systems were connected to the telecommunications network or the private line services specified in B2.6.2.A. following prior to January 1, 1980 and were of a type system which was directly connected (i.e. without connecting arrangements) to the telecommunications network or the private line services specified in B2.6.2.A. following as of June 1, 1978, or (b) such systems are connected to the private line services specified in B2.6.2.B. or B2.6.2.C. following prior to May 1, 1983 and are of a type system which was directly connected (i.e. without connecting arrangements) to the private line services specified in B2.6.2.B. or B2.6.2.C. following as of April 30, 1980.

**Grandfathered Connections of Communications Systems**

The term "Grandfathered Connections of Communications Systems" as used in this Price List denotes connections via connecting arrangements of communications systems (including their equipment and premises wiring) at the customer's premises, in accordance with any Telephone Company's Price Lists, and that are considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because (a) such connections to the telecommunications network or the private line services specified in B2.6.2.A. following were made via connecting arrangements prior to January 1, 1980 and such connecting arrangements are of a type of connecting arrangement connected to the telecommunications network or the private line services specified in B2.6.2.A. following as of June 1, 1978, or (b) such connections to the private line services specified in B2.6.2.B. or B2.6.2.C. following are made via connecting arrangements prior to May 1, 1983 and such connecting arrangements are of a type of connecting arrangement connected to the private line services specified in B2.6.2.B. or B2.6.2.C. following as of April 30, 1980.

**Grandfathered Terminal Equipment**

The term "Grandfathered Terminal Equipment" as used in this Price List denotes terminal equipment (including protective circuitry, if any) connected at the customer's premises, in accordance with any Telephone Company's Price Lists, and that is considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because (a) such terminal equipment was connected to the telecommunications network or the private line services in B2.6.2.A. following prior to July 1, 1979 and was of a type of terminal equipment which was directly connected (i.e. without connecting arrangements) to the telecommunications network or the private line services specified in B2.6.2.A. following as of October 17, 1977, or (b) such terminal equipment is connected to the private line services specified in B2.6.2.B. or B2.6.2.C. following prior to May 1, 1983 and is of a type of terminal equipment which was directly connected (i.e. without connecting arrangements) to the private line services specified in B2.6.2.B. or B2.6.2.C. following as of April 30, 1980.

**Grandfathered Connections of Terminal Equipment**

The term "Grandfathered Connections of Terminal Equipment" as used in this Price List denotes connections via connecting arrangements of terminal equipment connected at the customer's premises, in accordance with any telephone company's Price Lists, and that are considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, (a) such connections to the telecommunications network or the private line services specified in B2.6.2.B. following were made via connecting arrangements prior to July 1, 1979 and such connecting arrangements are of a type of connecting arrangement connected to the telecommunications network or the private line services specified in B2.6.2.B. following as of October 17, 1977, or (b) such connections to the private line services specified in B2.6.2.C. or B2.6.2.D. following are made via connecting arrangements prior to May 1, 1983 and such connecting arrangement connected to the private line services specified in B2.6.2.C. or B2.6.2.D. following as of April 30, 1980.

**B2. REGULATIONS****B2.6 Connections (Cont'd)****B2.6.1 General Provisions (Cont'd)****F. Definitions (Cont'd)**

## Registered

The term "Registered" as used in this Price List denotes equipment which complies with and has been approved within the Registration provisions of Part 68 of the Federal Communications Commission's Rules and Regulations.

- G.** Terminal equipment, communications systems and premises wiring may be connected in an interpositioned configuration to those private line services specified in B2.6.2 and B2.6.3 following.
- H.** Connection of terminal equipment shall not require any change or alteration in Company-provided equipment or services, unless permitted under the provisions of B2.6.6 of this Price List.

**B2.6.2 Connections of Registered Equipment**

- A.** Terminal equipment, protective circuitry, and communications systems that are registered may be connected to those private line services specified in B., C., or D. following, subject to B2.6.1 preceding and this B2.6.2.
- B.** The connection may be made only at the customer's premises to private line services that present a two wire or four wire loop signaling interface for such connection under the following conditions:
1. Registered terminal equipment, registered protective circuitry, and registered key telephone systems may be connected to the station end of private line services furnished in connection with off-premises stations.
  2. Registered PBX Systems may be connected, as a trunk termination, to the station end of private line services furnished in connection with off-premises stations.
  3. Registered terminal equipment, registered protective circuitry, and registered key telephone systems may be connected to CCSA or EPSCS access lines. *A channel may be utilized with registered terminal equipment, registered protective circuitry and registered communications systems which are connected to the exchange telephone service associated with such channels.*
- C.** The connection of registered terminal equipment and registered PBX systems may be made only at the customer's premises to private line services that present an interface for either two wire or four wire transmission, with separate E and M signaling leads conventionally known as Type I (battery/ground) or Type II (contact closure type). Such E and M signaling leads are those terminal equipment or PBX leads (other than voice or data communications leads) used for the purpose of transferring supervisory or address signals across the interface.
- D.** The connection of registered terminal equipment and registered PBX systems may be made only at the customer's premises to a Series 1000 and 2000 private line service furnished to provide indications of message registration of outgoing calls or automatic identification of outward dialing (AIOD) to such equipment or systems.
1. In addition, customers, who intend to install, perform additions to, or make rearrangements of AIOD functions shall give advance notice to the Company in accordance with the procedures specified in Part 68 of the Federal Communications Commission's Rules and Regulations or as otherwise authorized by the Federal Communications Commission.

**B2.6.3 Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems****A. Direct Connections**

1. Grandfathered terminal equipment and grandfathered communications systems, directly connected to the private line services specified in B2.6.2.A. preceding are subject to A15.1.3.A., Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems, of the General Subscriber Service Price List. Such connections are subject to the minimum protection criteria set forth in B2.6.4.F., following.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 46  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.3 Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

##### A. Direct Connections (Cont'd)

2. Grandfathered terminal equipment and grandfathered communications systems, directly connected to the private line services specified in B2.6.2.B. and C. preceding on April 30, 1980, may remain connected for the life of the equipment without registration, and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations, subject to the following:
  - a. All such connections shall comply with the minimum protection criteria set forth in B2.6.4.F. following.
  - b. No changes may be made to equipment so connected except by the manufacturer thereof, or a duly authorized agent of the manufacturer.
3. Until May 1, 1983, new installations of terminal equipment or communications systems which have been grandfathered may be connected for use with the private line services specified in B2.6.2.B. and C. preceding, subject to the following:
  - a. The customer shall notify the Company when such equipment or systems are to be connected and shall notify the Company when such equipment or systems are to be permanently disconnected; such notifications shall include a description of the equipment including the manufacturer's name, model number, and type of equipment;
  - b. All such connections are made through standard jacks or are otherwise connected by the Company;
  - c. All such connections shall comply with the minimum protection criteria set forth in B2.6.4.F. following;
  - d. Premises wiring associated with communications systems shall conform to Part 68 of the Federal Communications Commission's Rules and Regulations;
  - e. No changes may be made to equipment so connected except by the manufacturer thereof, or a duly authorized agent of the manufacturer.
4. Additions to grandfathered terminal equipment or grandfathered communications systems specified in 2. and 3. preceding may be made, subject to 3.a. through e. preceding and to the following:
  - a. Until May 1, 1983, where the equipment being added is of a type which has been grandfathered, and
  - b. After May 1, 1983, where the equipment being added is grandfathered.
  - c. Additions of registered equipment is subject to B2.6.2 preceding.
5. Systems connected pursuant to 2. through 4. preceding may remain connected and be moved and reconnected, in accordance with 3.a. through e. preceding, for the life of the equipment and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations.
6. Terminal equipment and communications systems connected via grandfathered protective circuitry are subject to the provisions of 1. through 5. preceding.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 47  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.3 Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

- B.** Connections Through Connecting Arrangements Provided by the Company
1. Grandfathered connections of terminal equipment and grandfathered connections of communications systems to the private line services specified in B2.6.2.A. preceding are subject to the minimum protection criteria set forth in B2.6.4.F. following.
  2. Grandfathered connections of terminal equipment and grandfathered connections of communications systems to the private line services specified in B2.6.2.B. and C. preceding are subject to the following:
    - a. Until May 1, 1983, the Company will provide connecting arrangements for installations of new terminal equipment or communications systems that are subject to Part 68 of the Federal Communications Commission's Rules and Regulations. However, after May 1, 1983, connecting arrangements will only be provided to the extent that such connecting arrangements are available, to reconnect terminal equipment or communications systems which were previously connected to the private line services specified in B2.6.2.B. or C. preceding through connecting arrangements prior to May 1, 1983.
    - b. Grandfathered connections of terminal equipment and grandfathered connections of communications systems made in accordance with a. preceding may remain connected and be moved and reconnected for the life of the equipment and may be modified only in accordance with Part 68 of the Federal Communication Commission's Rules and Regulations.
    - c. Network control signaling shall be performed by the connecting equipment furnished, installed and maintained by the Company, except that customer-provided tone-type address signaling is permissible through a connecting arrangement.
    - d. The connections specified in a. through c. preceding must comply with the minimum protection criteria specified in B2.6.4.F. following.

#### B2.6.4 Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program

- A.** General
1. Connecting arrangements are not required and minimum protection criteria are not applicable where terminal equipment or communications systems are connected with the following channels when such channels are used for the types of transmission specified herein due to the nature of the service provided and/or the type of channels and equipment used.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 48  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.4 Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program. (Cont'd)

##### A. General (Cont'd)

2. Except as otherwise provided in B2.6.2 and B2.6.3 preceding, terminal equipment and communications systems may be electrically connected to private line services in accordance with this B2.6.4.
  - a. When the terminal equipment or communications system is connected with private line service furnished by the Company and such private line service is not arranged for connection to telecommunications services, such connections shall be made to an interface provided by the Company.
  - b. When the terminal equipment or communications system is connected with private line service furnished by the Company and such private line service is arranged for connection to telecommunications services:
    - (1) Except as specified in B2.6.4.A.1. preceding and B2.6.4.D.1.d. following, such connections shall be made through a connecting arrangement as provided in this B2.6.4.
    - (2) For terminal equipment the connection shall be such that the functions of network control signaling (except customer-provided tone type address signaling through a Company-provided connecting arrangement) are performed by equipment furnished by the Company.
  - c. Terminal equipment or Communications systems connected pursuant to a. or b. preceding must comply with the minimum protection criteria specified in F. following.

##### B. Data Terminal Equipment

Data terminal equipment (including telephotograph equipment) may be connected at the customer's premises to private line service through a network control signaling unit and a data access arrangement provided by the in accordance with the following when such private line service is arranged as provided in A.2.b. preceding.

1. The Customer shall furnish the equipment which performs the functions of:
  - a. Conditioning the data signals generated by the terminal equipment to signals suitable for transmission by means of Company services, and
  - b. Conditioning signals transmitted by means of Company services to data signals suitable for reception by *the terminal* equipment.
2. Where a data access arrangement is furnished in connection with terminal equipment and such terminal equipment is used for both voice and data communication, the data access arrangement may be used to connect the terminal equipment for voice communication.

##### C. Voice Terminal Equipment

1. Voice terminal equipment may be connected at the customer's premises to private line service in accordance with the following when such private line service is arranged as provided in A.2.b. preceding.
  - a. The connection shall be made through a network control signaling unit and a connecting arrangement furnished by the Company.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 49  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.4 Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program (Cont'd)

##### D. Communications Systems

1. Communications systems may be connected (other than communications systems connected pursuant to B2.6.2 and B2.6.3 preceding) to private line service in accordance *with the provisions of this Price List*. These communication systems (including channels derived from such systems), not exceeding voice grade, may be connected at the Customer's or authorized user's premises where the customer or authorized user has a regular and continuing requirement for the origination or termination of communications over the communications system provided that:
  - a. The normal mode of operation of the communications systems shall be to provide communications originating or terminating at the premises on which the connection is made.
  - b. The connection shall be made through switching equipment provided either by the Customer, or authorized user or by the Company.
  - c. The connection shall be to channels of a Type lower than **6000** furnished by the Company or to channels created there from in accordance with the provisions of B2.2.6 preceding.
  - d. When the private line service is arranged as provided in B2.6.4.A.2.b. preceding, the connection is made through:
    - (1) a connecting arrangement, or
    - (2) registered or grandfathered terminal equipment, communications system, or protective circuitry which, either singularly or in combination assures that the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations are met at the private line interface.

Minimum protection criteria as set forth in f. following must be complied with when the connection is made through equipment or systems that are not registered.

In lieu of these requirements for total hardware protection, an optional, alternative method, as described in e. following, is available for the control of signal power only.

- e. When communications systems not subject to Part 68 of the Federal Communications Commission's Rules and Regulations are connected to private line services that are arranged as provided in B2.6.4.A.2.b. preceding and the connection is through (a) a connecting arrangement or (b) registered or grandfathered terminal equipment, communications system or protective circuitry which assures that all of the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations are met at the private line service interface, no further action is required. However, when a customer elects to connect a communications system to private line service and the registered or grandfathered equipment, communications system or protective circuitry through which the connection is made does not provide protection for signal power control, the customer must comply with the following institutional procedures:
  - (1) The communications system must be installed, operated and maintained so that the signal power (within the frequency range of 200-4000 Hertz) at the private line service interface continuously complies with Part 68 of the Federal Communications Commission's Rules and Regulations.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 50  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.4 Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program (Cont'd)

##### D. Communications Systems (Cont'd)

##### 1. (Cont'd)

##### e. (Cont'd)

- (2) The operator(s)/maintainer(s) responsible for the establishment, maintenance and adjustment of the voice frequency signal power present at the private line service interface must be trained to perform these functions by successfully completing one of the following:

a training course provided by the manufacturer of the equipment used to control voice frequency signal power; or

a training course provided by the customer or authorized representative, who has responsibility for the entire communications system, using training materials and instructions provided by the manufacturer of the equipment used to control the voice frequency signal power; or

an independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the equipment used to control the voice frequency signal power; or

in lieu of the preceding training requirements, the operator(s)/maintainer(s) is under the control of a supervisor trained in accordance with the three preceding requirements.

Upon request the customer is required to provide the proper documentation to demonstrate compliance with the requirements *of this Price List*.

- (3) At least 10 days advance notice must be given to the Company in the form of a notarized affidavit before the initial connection of the communications system. A copy of the affidavit must also be maintained at the customer's premises. The affidavit must contain the following information:

The full name, business address, business telephone number and signature of the customer or authorized representative who has responsibility for the operation and maintenance of the communications system.

The line(s) which the communications system will either be connected to or arranged for connection to.

A statement that all operations associated with the establishment, maintenance and adjustment of the signal power present at the private line service interface will comply with Part 68 of the Federal Communications Commission's Rules and Regulations.

A statement describing how each operator/maintainer of the communications system will meet and continue to meet the training requirements for persons installing, adjusting or maintaining the communications system.

##### f. Extraordinary Procedures

- (1) The Company may invoke extraordinary procedures to protect the private line service where one or more of the following conditions are present:

Information provided in the affidavit gives reason to believe that a violation of Part 68 of the Federal Communications Commission's Rules and Regulations or the Institutional Procedures set forth in e. preceding is likely.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 51  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.4 Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program (Cont'd)

- D. Communications Systems (Cont'd)
1. (Cont'd)
    - f. Extraordinary Procedures (Cont'd)
      - (1) (Cont'd)
 

Harm has occurred and there is reason to believe this harm was a result of operations performed under the Institutional Procedures set forth in e. preceding.
      - (2) The extraordinary procedures which can be invoked by the Company include:
 

Requiring the use of protective apparatus which either protects solely against signal power or which assures that all of the requirements of Part 68 are met at the private line service interface. This protective apparatus may be provided by either the Company or the customer.

Disconnecting service
      - (3) A charge equal to the *Trouble Location* charge as provided in B2.6.12 will apply when:
 

It is necessary to send a Company employee to the premises where the connection is made because a condition set forth in (1) preceding exists, and

A failure to comply with Part 68 of the Federal Communications Commission's Rules and Regulations or the Institutional Procedures for signal power control in e. preceding is disclosed.
  2. Communications systems may be connected with Series 5000 wideband data service furnished to the same customer at the premises of the customer or authorized user where the customer has a regulated and continuing requirement for the origination or termination of communications over the communications system provided that:
    - a. The normal mode of operation of the communications system shall be to provide communications originating or terminating at the premises on which the connection is made.
    - b. The connection shall be made through switching equipment provided by the customer or authorized user.
    - c. The connection shall be made to Service Terminals provided by the Company furnished for the transmission of sequential synchronous signals at the rates of 19.2, 40.8, 50.0, and 230.4 kilobits per seconds, or for the transmission of two level sequential non-synchronous facsimile signals.
  3. Communications systems may be connected through connecting arrangements with Type 10001 Channels (Entrance Facilities) furnished for the purpose of extending the communications system to a premises of the customer or authorized user. The Type 10001 channel or channels created therefrom in accordance with the provisions of B2.2.6 preceding may be connected at such customer's or authorized user's premises to other communications systems in accordance with I. preceding.

**B2. REGULATIONS****B2.6 Connections (Cont'd)****B2.6.4 Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program (Cont'd)**

- D. Communications Systems (Cont'd)**
5. A communications system provided by an authorized user may be connected at the premises of the authorized user to private line service furnished by the Company to a Customer on which the authorized user has a station provided that:
    - a. The Customer has a regular and continuing requirement for communications originating or terminating at the authorized user's premises at which the connection is made.
    - b. The normal mode of operation of the authorized user-provided communications system shall be to provide communications originating or terminating at the premises on which connection is made.
    - c. The connection shall be made through switching equipment provided by the Customer or authorized user or by the Company.
    - d. The connection shall be to channels of a Type number lower than **6000** furnished by the Company or to channels created there from in accordance with the provisions of B2.2.6 preceding.
    - e. The connection shall be made on the same basis as set forth for the Customer in A.2. preceding and F. following, or as set forth in 1.d. preceding.
    - f. All communications over the interconnected facilities shall be between the Customer and authorized user and relate directly to the Customer's business.
  6. A communications system provided by an authorized user may be connected at the premises of the authorized user with Series 5000 wideband data services furnished to a Customer provided that:
    - a. The Customer has a regular and continuing requirement for communications originating or terminating at the authorized user's premises at which the connection is made.
    - b. The normal mode of operation of the authorized user-provided communications system shall be to provide communications originating or terminating at the premise on which the connection is made.
    - c. The connection shall be made on the same basis as set forth for the customer in A.2 preceding and F. following.
    - d. The connection shall be made to serve terminals provided by the Company furnished for the transmission of sequential synchronous signals at the rates of 19.2, 40.8, 50.0, 230.4 kilobits per second, or for the transmission of two level sequential non-synchronous facsimile signals.
    - e. All communications over the interconnected facilities shall be between the Customer and authorized user and relate directly to the Customer's business.
- E. Accessories**
- Accessories provided by a Customer or authorized user, may be used with private line service provided that such accessories comply with the provisions of B2.6.1.B and B2.6.4.A.2.b.(2). preceding.

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.4 Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program. (Cont'd)

- F. Minimum Protection Criteria for Electrical Connections
1. Since private line services utilize Company channels and equipment in common with other services, it is necessary in order to prevent excessive noise and crosstalk that the power of the signal applied to the Company private line service is individually engineered, a single valued limit for all applications cannot be specified. Therefore, the power of the signal in the band above 300 Hertz which may be applied by the equipment to the interface will be specified by the Company for each application to be consistent with the signal power allowed on the telecommunications network.
  2. To protect other services, it is necessary that the signal which is applied by the equipment to the Company interface located on the Customer's premises meet the following limits:
    - a. The power in the band from 3,995 Hertz to 4,005 Hertz shall be at least 18dB below the power of the signal as specified in 1. above.
    - b. The power in the band from 4,005 Hertz to 10,000 Hertz shall not exceed 16dB below one milliwatt.
    - c. The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24dB below one milliwatt.
    - d. The power in the band from 25,000 Hertz to 40,000 Hertz shall not exceed 36dB below one milliwatt.
    - e. The power in the band above 40,000 Hertz shall not exceed 50dB below one milliwatt.
  3. Where there is connection to telecommunications services, to prevent the interruption or disconnection of a call, or interference with network control signaling, it is necessary that the signal applied by the equipment to the Company interface located on the Customer's premises at no time have energy solely in the 2450 to 2750 Hertz band. If signal power is in the 2450 to 2750 Hertz band, it must not exceed the power present at the same time in the 800 to 2450 Hertz band.
  4. Where equipment applies signals having components in the frequency spectrum below 300 Hertz, excluding ringing signals, the currents and voltages (including all harmonics and spurious signals) at the interface shall not exceed the limits indicated in a. through d. following:
    - a. The maximum rms (root-mean-square) value, including DC and AC components, of the current per conductor will be specified by the Company but in no case will the specified value exceed 0.35 ampere.
    - b. The magnitude of the peak of the conductor to ground voltage shall not exceed 70 volts.
    - c. The conductor to conductor voltage shall be such that the conductor to ground voltage limit in b. preceding is not exceeded. If the signal source is not grounded, the voltage limit in b. preceding applies to the conductor-to-conductor voltage.

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.4 Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program (Cont'd)

F. Minimum Protection Criteria for Electrical Connections (Cont'd)

4. (Cont'd)

- d. The total weighted rms voltage within the band from 50 Hertz to 300 Hertz shall not exceed 100 volts. The total weighted rms voltage is the square root of the sum of the products of the weighting factors for the individual frequency components times the square of the rms voltage of the individual frequency components. The weighting factors are as indicated:

For Frequencies Between	Weighting Factor
50 Hertz and 100 Hertz	$f^2/10^4$
100 Hertz and 300 Hertz	$f^{3.3}/10^{6.6}$

Where f is the numerical value of the frequency, in Hertz, of the frequency component being weighted.

G. Acoustic or Inductive Connections

1. General

- a. Voice or data terminal equipment (including telephotograph equipment) may be acoustically or inductively connected at the Customer's premises to a private line service provided the acoustic or inductive connection is made externally to the network control signaling unit when such unit is provided by the Company.
- b. Communications systems may be acoustically or inductively connected with private line service as specified herein provided the acoustic or inductive connection is made externally to the network control signaling unit when such unit is provided by the Company.
- c. Communications systems may be connected at premises of the Customer or authorized user where the customer has a regular and continuing requirement for the origination or termination of communications over the communications system provided that:
  - (1) The normal mode of operation of the communications system shall be to provide communications originating or terminating at the premises on which the connection is made.
  - (2) The connection shall be to channels of a Type number lower than **6000** furnished by the Company.
- d. Reserved for future use
- e. A communications system may be acoustically or inductively connected at the premises of the authorized user with Company facilities for private line service, on which the authorized user has a station, provided that:
  - (1) The normal mode of operation of the communications system shall be to provide communications originating or terminating at the premises on which the connection is made.
  - (2) The customer has a regular and continuing requirement for communications originating or terminating at the authorized user's premises at which the connection is made.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 55  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.4 Connections of Terminal Equipment and Communications Systems not subject to the FCC Registration Program (Cont'd)

- G. Acoustic or Inductive Connections (Cont'd)
1. General (Cont'd)
    - e. (Cont'd)
      - (3) The connection shall be to channels of a Type number lower than **6000** furnished by the Company.
      - (4) The connection shall be made on the same basis as set forth for the customer in b. preceding.
      - (5) All communications over the interconnected facilities shall be between the customer and authorized user and relate directly to the customer's business.
    - f. Customer-provided tone-type address signaling is permitted through such connections, however, the services of the Company are not designed for such use and the Company makes no representation as to the reliability of address signaling which is performed in such manner.
  2. Minimum Protection Criteria
    - a. Since private line services utilize Company channels and equipment in common with other services it is necessary in order to prevent excessive noise and crosstalk that the power of the signal applied to the Company private line service be limited. Because each private line service is individually engineered a single valued limit for all applications cannot be specified. Therefore, the power of the signal which may be applied by the equipment to the interface will be specified by the Company for each application to be consistent with the signal power allowed on the telecommunications network.
    - b. To protect other services, it is necessary that the signal which is applied by the equipment to the interface located on the Customer's premises meet the following limits at the output of the network control signaling unit:
      - (1) The power in the band from 3,995 Hertz to 4,005 Hertz shall be at least 18dB below the power of the signal as specified in a. preceding.
      - (2) The power in the band from 4,005 Hertz to 10,000 Hertz shall not exceed 16dB below one milliwatt.
      - (3) The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24dB below one milliwatt.
      - (4) The power in the band from 25,000 Hertz to 40,000 Hertz shall not exceed 36dB below one milliwatt.
      - (5) The power in the band above 40,000 Hertz shall not exceed 50dB below one milliwatt.
    - c. When there is connection to telecommunications service, to prevent the interruption or disconnection of a call, or interference with network control signaling, it is necessary that the signal applied by the equipment to the Company-provided voice transmitting and receiving equipment located on the Customer's premises be limited so that the signal at the output of the Company-provided voice transmitting and receiving equipment shall at no time have energy solely in the 2450 to 2750 Hertz band. If there is signal power at the output of the Company-provided voice transmitting and receiving equipment in the 2450 to 2750 Hertz band, it must not exceed the power present at the same time in the 800 to 2450 Hertz band.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 56  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.5 Channel Derivation Devices

Customer-provided channel derivation devices which are used to create additional channels in accordance with B2.2.6, may be connected to private line service subject to B2.6.1, B2.6.2, and B2.6.3 preceding.

#### B2.6.6 Equipment-to-Equipment Connections

- A. Equipment-to-equipment connections, as defined in B2.6.1.F preceding, may be connected to telecommunications services when such arrangements are in compliance with Part 68 of the Federal Communications Commissions Rules and Regulations, this Section B2.6 and Section 15. of the General Exchange Price List.

#### B2.6.7 Connections of Certain Facilities of Power, Pipe Line and Railroad Companies

- A. Facilities of an electric power company, an oil, oil products or natural gas pipe line company, or a railroad company provided primarily to communicate with points located along a right-of-way (including premises of such company anywhere in cities, towns or villages along the right-of-way) owned or controlled by such company may, in lieu of the provisions of B2.6.3 and B2.6.4.D preceding, be connected with service furnished by the Company to the same Customer, subject to the following:
1. Such connections will be made by means of switching or connecting equipment furnished by the Company.
  2. Such Customer telephone facilities will be connected to private line services furnished by the Company for voice transmission and utilizing a Series 2000 channel, when furnished to the same Customer, for communications with stations associated with such services; provided, however, that facilities of the Customer will not be connected to a local or toll central office line to form a through connection except as follows:
    - a. In cases of emergency involving safety of life or property;
    - b. In cases of calls originated by railroad employees under circumstances indicating need for prompt action to secure or maintain the safety, continuity, or reliability of railroad service to the public, and related to the movement of passengers, mail, property, or equipment by railroad, or the repair, maintenance, or construction of railroad rights-of-way, structures, or equipment;
    - c. In cases where the Customer facilities serve locations where it is impracticable because of hazard or inaccessibility for the Company to furnish its facilities; and
    - d. During an interim period in cases where the Customer has arranged for replacement of said Customer facilities with facilities of the Company.
  3. Telecommunications circuits of such companies will be connected to a local or toll central office line to form a through connection only through manual switching equipment, or an attendant's position of dial PBX equipment furnished to the Customer by the Company. Such equipment or position may be located at either or both ends of the Customer's circuit.
  4. Connection of a telecommunications circuit of such companies as specified in 2.b., c. or d. preceding may be established at either end of such circuit, but shall not be established at both ends simultaneously.
  5. Customer teletypewriter, telephotograph, data transmission, remote metering, supervisory control or miscellaneous signaling facilities will be connected to private line service furnished by the Company for such purposes to the same Customer.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 57  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.7 Connections of Certain Facilities of Power, Pipe Line and Railroad Companies (Cont'd)

A. (Cont'd)

6. Company-provided private line services, when connected with facilities of the Customer, will not be used for communications of other than the Customer, except that such services may be used for the communications of, and be connected with services furnished by the Company to, other companies which:
  - a. Are operated with the Customer as parts of an integrated electric power, oil, oil products or natural gas system or railroad system under direct or common ownership or control; or
  - b. Own or operate an electric power or pipe line or railroad system jointly with the Customer; or
  - c. Own or operate electric power or pipe line or railroad facilities interconnected with those of the Customer.
  - d. Company-provided private line services when so connected may be connected to a local or toll central office line to form a through connection for communications of other companies specified in a., b., or c. preceding, including calls originated by employees of such companies only under the circumstances set forth in 2.a. and b. preceding.
7. Terminal equipment and communications systems connected to the private line services, specified in B2.6.2.A. preceding in accordance with 1. through 6. preceding prior to January 1, 1980 may remain connected and be moved and reconnected for the life of the equipment without registration unless subsequently modified. New installations of terminal equipment or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations connected to such private line services must meet the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations.
8. Effective May 1, 1983, new installations of, or additions to terminal equipment and communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations, connected to the private line services specified in B2.6.2.B. or C. preceding in accordance with 1. through 6. preceding, must meet the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations.

#### B2.6.8 Connections of Certain Facilities of the U. S. Army, Navy, Air Force and NASA

- A. Facilities of the U. S. Department of the Army, Navy or Air Force and of the National Aeronautics and Space Administration will be connected with services furnished by the Company, in lieu of the provisions of B2.6.3 and B2.6.4.D preceding, as provided in 1. and 2. following, where the Secretary of the appropriate Department or his authorized representative, or the Administrator of the National Aeronautics and Space Administration, or an authorized representative, notifies the Company in writing that such connection is required for reasons of military necessity, or for the control of space vehicles. Such connections will be made by means of switching or connecting equipment furnished by the Company.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 58  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.8 Connections of Certain Facilities of the U. S. Army, Navy, Air Force and NASA (Cont'd)

##### A. (Cont'd)

1. Telecommunications facilities of the aforesaid Departments or Administration will be connected to private line services furnished by the Company for voice transmission and utilizing a Series 2000 channel for communications with stations associated with such services; provided, however, that such Department or Administration facilities will not be connected to a local or toll central office line to form a through connection except in cases of emergency involving safety of life or property, unless such facilities are provided in locations where it is impracticable for the Company to furnish its services.
2. Teletypewriter, telephotograph, data transmission, remote metering, supervisory control or miscellaneous signaling facilities of the aforesaid Departments or Administration will be connected to private line services furnished for such purposes.
3. Terminal equipment and communications systems connected to the private line services specified in B2.6.2.A. preceding in accordance with 1. and 2. preceding prior to January 1, 1980 may remain connected and be moved and reconnected for the life of the equipment without registration unless subsequently modified. New installations of terminal equipment or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations connected to such private line services must meet the requirements of Part 68 of the Federal Communication's Rules and Regulations.
4. Effective May 1, 1983, new installations of or additions to terminal equipment and communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations, connected to the private line services specified in B2.6.2.B. or C. preceding in accordance with 1. and 2. preceding, must meet the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations.

#### B2.6.9 Connections of Services Furnished by the Company to the Same Customer

- A. A private line furnished by the Company or by the Company and its Other Carriers may be connected to another private line furnished by the Company or by the Company and its Other Carriers or to another service provided by the Company as specified in B. through I. and B2.6.10 following.
- B. A private line may be connected to another private line if the forms of electrical communication for which they are being used are the same. These private lines may be connected (1) at the premises of the customer (2) at the premises of an authorized user with a common service point on both private lines.
- C. All connections will be made through connecting arrangements or channel switching arrangements or through switching equipment provided by the customer or authorized user, except as otherwise provided in D., E., and I. following.
- D. Channels created by the customer or authorized user or in accordance with the provisions of B2.2.6.B. preceding may be connected at the Customer's or authorized user's premises:
  1. To channels furnished by the Company and to channels created there from as authorized in B2.2.6.B. preceding.  
The connection of channels specified preceding is subject to the regulations contained in B2.6.1, 2., and 3., and B. preceding.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 59  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.9 Connections of Services Furnished by the Company to the Same Customer (Cont'd)

- D.** (Cont'd)
2. To a Type 10001 channel furnished by the Company, and to channels created there from as authorized in B2.2.6.B. preceding.  
The connection of channels specified above is subject to the regulations contained in B2.6.1, B2.6.2, B2.6.3, and B2.6.4 as appropriate.
  3. To station apparatus provided by the Company as a part of a service provided by the Company to the same customer or to a local or toll central office line or WATS access line through such station apparatus.  
The connection described above is subject to the regulations specified in the General Subscriber Service Price List of the Company as appropriate.
- E.** A private line for voice communication utilizing a Series 2000 channel or other Types of channels when used alternately for voice transmission and when in the voice mode, may be connected at a PBX or other switching or connecting arrangement, to a local or toll central office line or WATS access line to form a through connection over the private and exchange lines where facility and conditions permit. It is not contemplated that more than one such type of connection will be established simultaneously and transmission is not represented as adapted to more than one such connection of the combined facilities at one time.
- F.** Where terminal equipment or communications systems involve connection to a Type **2230** or Type 10001 channel, such channels may also be connected either on the premises of a customer or authorized user or through Centrex Control Switching Equipment which serves the premises of the customer or authorized user, to a local or toll central office line or WATS access line to form a through connection. When the connection is made on the premises of the customer or authorized user, such connection shall be through switching equipment and shall be made in accordance with the regulations contained in B2.6.1 preceding and the rates and regulations specified in the General Subscriber Service Price List of this Company.
- G.** When a two-point private line or a multi-point private line arranged for service solely between two points utilizing the above type channels is used for transmission of data, through connections over the private and exchange lines may also be established as described preceding.
- H.** Type 10001 channels may be connected to private line services either on the premises of the customer or authorized user or through Centrex Control Switching Equipment which serves the premises of the customer or authorized user where the customer has a regular and continuing requirement for the origination or termination of communications over the communications system which is extended by the Type 10001 channel provided that:
1. The normal mode of operation of the communications system shall be to provide communications originating or terminating at the premises on which the connection is made or at the customer's or authorized user's premises served by the Centrex Control Switching Equipment.
  2. When the connection is made on the premises of the customer or authorized user, the connection shall be made through switching equipment.
  3. The connection shall be to channels of a Type number lower than **6000**, to Series 10000 channels furnished by the Company or to channels created therefrom in accordance with the provisions of B2.2.6.B. preceding.
- I.** Series 1000 channels may be connected at the customer's premises to a local or toll central office or a WATS access line through switching equipment. The connection shall be in accordance with B2.6.3.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 60  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.10 Connection of Services Furnished by the Company to Different Customers

- A. A private line furnished to a customer on a twenty-four hour per day, seven day per week basis may be connected:
1. With a private line furnished to a branch or agency of the United States Government for the purposes specified under B. through D. following, provided such connection is authorized by the branch or agency to whose service the connection is made and connections are made by means of connecting or switching arrangements furnished by the Company, or,
  2. With a private line, local or toll central office line or WATS access line furnished to a different customer provided such connection is made at the premises of an authorized user as specified in E. through H. following, or,
  3. As specified under I. through L. following when connections involve (1) Series 6100 (**6000**) channels, (2) the use of service as related to the coordination or exchange of electrical pooled power, (3) channels of a Type number lower than **6000** when these are furnished for data transmission to one customer with connection to channels created by another customer.
  4. As specified in M. following when private line service is furnished to a state or local government agency and to a United States Government agency, or connections as specified in B. through M. following will be provided only when the same type of channels, (except when local or toll central office or WATS lines as set forth in F. and H. following are involved) are connected and the same forms of electrical communication are used over the connected channels.
- B. Where the private line is furnished to the Government for teletypewriter transmission for the collection and dissemination of (1) weather information, (2) miscellaneous airways information pertaining to the supervision of the flight of aircraft along the civil airways or (3) agricultural and farm market information, connection may be made as follows:
1. Receiving Only Service - for reception of weather and miscellaneous airways information and agricultural and farm market information transmitted over the Government service to which it is connected.
  2. Sending and Receiving Service - for transmission of flight plans to and acknowledgment of such plans from the Government service to which connection is authorized.
- C. Where the private line utilizes Series 2000 channels and is furnished to the Government for data transmission for the collection and dissemination of weather information and for the collection and dissemination of data relating to national defense, connection may be made for such purposes.
- D. Where the private line is furnished to the Government for voice transmission for the collection and dissemination of information relating (1) to air traffic control activities and similar information of public interest in connection with supervision of the flight of aircraft along civil airways or (2) directly to civil defense activities, connection may be made for such purposes.
- E. **Reserved for future use**
- F. **Reserved For Future Use**

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 61  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.10 Connection of Services Furnished by the Company to Different Customers (Cont'd)

- G. A private line furnished to a customer may be connected to a "different" customer's private line if the "different" customer is an authorized user on the other customer's private line and provided that:
  1. All communications over the interconnected private lines are between the customers and relate directly to their business.
  2. Such connections be made through switching equipment.
  3. Neither of the private lines is being furnished for foreign exchange service.
  4. Such private lines shall include channels created by the customer in accordance with B2.2.6.B. preceding.
- H. A private line furnished to a customer may be connected to a local or toll central office line furnished to a "different" customer provided that:
  1. The customer for the local or toll central office line is an authorized user of the other customer's private line.
  2. The connection shall be made through switching equipment.
  3. The connection shall be such that the function of network control signaling is performed by equipment furnished, installed and maintained by the Company.
  4. Such private lines shall include channels created by the customer in accordance with B2.2.6.B. preceding.
- I. Reserved for future use
- J. Private line services furnished by the Company for communications as provided in B2.2.1.F. preceding, may be connected with similar services provided by the Company.
- K. Channels of a Type number lower than **6000** furnished by the Company to one customer may be connected to channels created by another customer from a channel in accordance with B2.2.6.B. preceding, provided the customer whose channel is to be so connected is a joint user of the individual channel from which the channels have been created by the other customer.
- L. Private lines for teletypewriter transmission furnished to the U. S. Army may be connected to private lines for teletypewriter transmission to the Associated Press and United Press International for the purpose of establishing an Emergency Action Notification System provided that said customers agree to such connection. Connections will be made by means of switching arrangements furnished by the Company.
- M. Private line service furnished to a state or local government agency may be connected to private line channels arranged for use and ordered by a United States Government Agency for the use of the state or local government agency pursuant to the Intergovernmental Cooperation Act of 1968.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 62  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.11 Connection of Services Furnished by the Company with Service of Other Carriers

- A. A communications system provided by an Other Carrier (listed in C. following) referred to as the OC, to a customer or authorized user or of private line services furnished by the Company may be connected at the premises of the customer or authorized user or to the channels of a private line service furnished by the Company where the customer or authorized user or has a regular and continuing requirement for the origination or termination of communications over the OC-provided communication system provided that:
1. The normal mode of operation of the OC-provided communications system shall be to provide communications originating or terminating at the premises at which the connection is made.
  2. The private line service furnished by the Company shall be voice grade.
  3. Where the connection of an OC-provided communications system is by means of a direct electrical connection, such connection shall be made:
    - a. Through switching equipment: or
    - b. Through a channel derivation device
  4. Where such connection is made through a channel derivation device as specified in b. preceding, the "regular and continuing requirement for the origination or termination of communication" provision in 1. preceding and the provision of A. preceding are not applicable.
  5. When the connection is by means of switching equipment, such switching equipment and the facilities provided by the OC shall be treated as a customer-provided communications system and the regulations in B2.6.1 through B2.6.4 preceding, as applicable to the connection of a communications system shall apply.
  6. When the connection is by means of a channel derivation device, such channel derivation device and the facilities provided by the Other Participating Carrier shall be treated as a communications systems and the regulations applicable to the connection of communications systems as set forth in B2.6 shall apply with the exception of provisions of B2.6.4.D.1.a. and b. and B2.6.4.D.2.
  7. Where the connection of an OC-provided communications system is by means of an acoustic or inductive connection, such connection shall be made externally to Company-provided voice transmitting and receiving equipment.
  8. Where the customer of such OC is an authorized user of a private line service furnished by the Company and such connection is made at the authorized user's premises, all communications over the interconnected facilities shall be between the authorized user and the Company's customer and be related directly to the Company's customer's business.
  9. Connections shall be made only if the forms of electrical communication are the same and consistent with those for which the Company-provided channel is offered. Connections are not represented as being suitable for satisfactory transmission.
  10. All arrangements concerning such OC services shall be made by the customer with that carrier. The furnishing of private line services by the Company as set forth preceding is not part of a joint undertaking with the *OC*.
  11. Where private line services furnished by the Company are used in the provision of a composite data service for others and connection of those private line services is made to a communications system provided by an *OC* and the connection is made through data switching equipment, the regulations specified in 1. and 5. preceding are not applicable.

NORTH STATE TELEPHONE  
 COMPANY  
 High Point, North Carolina

Section 2  
 Original Sheet 63  
 Effective: December 31, 2008

**B2. REGULATIONS**

**B2.6 Connections (Cont'd)**

**B2.6.11 Connection of Services Furnished by the Company with Service of Other Carriers (Cont'd)**

- B. Communications systems (utilizing Central Office Connecting Facilities), not exceeding voice grade, provided by an OC (excluding International Record Carriers listed therein) to a customer may be connected at the premises of the Company with private line service provided by the Company to the same customer, provided the connection is made through Centrex Control Switching Equipment furnished in accordance with Centrex Type Services provisions of the General Exchange Price List .

**B2.6.12 Trouble Location Charge**

The customer shall be responsible for payment of a nonrecurring charge for each visit by the Company to the premises of the customer or authorized or OC listed in B2.6.11 preceding, where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer or his authorized users or OC.

- 1. Private Line Service, *per service call*

	<b>First Half Hour Or Fraction Thereof</b>	<b>Each Additional Half Hour Or Fraction Thereof</b>	<b>USOC</b>
(a) <i>Basic Time normally scheduled hours</i>	<b>\$36.50</b>	<b>\$18.75</b>	NA
(b) Overtime, outside of normally scheduled working hours on a scheduled workday	<b>41.00</b>	<b>20.00</b>	NA
(c) Premium Time, outside of scheduled work day	<b>43.47</b>	<b>22.30</b>	NA

**B2.6.13 (Reserved for future use )**



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 64  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.14 Connections of Test Equipment

##### A. Totally Protective Connections

1. Test equipment may be connected to those private line services specified in B2.6.2 preceding at the premises of the customer through registered or grandfathered terminal equipment, protective circuitry, or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations which, either singularly or in combination, assures that all of the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations (total protection) are met at the private line service interface.
2. Test equipment may be connected to those private line services specified in B2.6.4.A.2. preceding at the premises of the customer either (1) directly at the private line service interface, or (2) through other equipment, provided that the minimum protection criteria specified in B2.6.4.F preceding is continually met at the private line service interface.

##### B. Interim Program for Connections of Test Equipment

Test equipment may also be connected at the premises of the customer to those private line services specified in B2.6.2 preceding either (1) directly at the private line service interface, or (2) through terminal equipment, protective circuitry, or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations which does not provide protection for signal power control under the following Interim Program provided that:

1. The test equipment is limited to transmission signal power generating and/or detection devices, or similar devices, utilized by the Customer for the detection and/or isolation of a communications service fault.
2. The test equipment is of a type that was lawfully directly connected to private line service as of March 6, 1981. Such test equipment may remain connected, be moved or reconnected during the life of the test equipment unless it has been subsequently modified.
3. Direct connection of test equipment or connections through Company-provided terminal equipment, or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations are made through Company-provided jacks or as otherwise authorized by the Company.
4. Test equipment must be operated in accordance with the Institutional Procedures for Signal Power Control as specified in C. following.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 65  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.6 Connections (Cont'd)

#### B2.6.14 Connections of Test Equipment (Cont'd)

**B.** Interim Program for Connections of Test Equipment (Cont'd)

5. The Customer notifies the Company of each private line service at each premises to which the test equipment will be connected in advance of the initial connection. The Customer must also notify the Company when such test equipment is permanently disconnected at each premises.

**C.** Institutional Procedures for Signal Power Control

1. In accordance with B.4. preceding, the Customer must comply with the following Institutional Procedures:
  - a. The Customer must install, operate and maintain the test equipment so that its signal power at the private line service interface complies with Subpart D of Part 68 of the Federal Communications Commission's Rules and Regulations.
  - b. The operator(s)/maintainer(s) responsible for the test equipment signal power present at the private line service interface must be trained to perform these functions by successfully completing one of the following:
    - (1) a training course provided by the manufacturer of the test equipment, or
    - (2) a training course provided by the Customer, or authorized representative of the Customer, using training materials and instructions provided by the manufacturer of the test equipment, or
    - (3) an independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the test equipment, or
    - (4) in lieu of the preceding training requirements, the operator(s)/maintainer(s) is under the control of a supervisor trained in accordance with (1) through (3) preceding.

Upon request, the Customer is required to provide proper documentation to demonstrate compliance with the requirements in B2.6.14.C.1.b.

- c. Advance notice must be given to the Company in the form of a notarized affidavit before the initial connection of the test equipment at each premises after April 9, 1981. A copy of the affidavit must also be maintained at the Customer's premises. The affidavit must contain the following information:
  - (1) The full name, business address, business telephone number and signature of the Customer or authorized representative who has responsibility for the operation of the test equipment.
  - (2) The line(s) to which the test equipment will be either connected to or arranged for connection to.
  - (3) A statement that all operations associated with the establishment, maintenance and adjustment of the test equipment signal power present at the private line service interface will comply with Subpart D of Part 68 of the Federal Communications Commission's Rules and Regulations.
  - (4) A statement describing how each operator of the test equipment will meet and continue to meet the training requirements for persons installing, connecting, adjusting or maintaining the test equipment.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 66  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.6 Connections (Cont'd)**

#### **B2.6.14 Connections of Test Equipment (Cont'd)**

- C. Institutional Procedures for Signal Power Control (Cont'd)
  - 2. Extraordinary Procedures
    - a. The Company may invoke extra-ordinary procedures to protect the telecommunications network where one or more of the following conditions are present:
      - (1) Information provided in the affidavit gives reason to believe that a violation of Part 68 of the Federal Communications Commission's Rules and Regulations or the Institutional Procedures set forth in 1. preceding is likely.
      - (2) Harm has occurred and there is reason to believe this harm was a result of operations performed under the Institutional Procedures set forth in 1. preceding.
    - b. The extra-ordinary procedures, which can be invoked by the Company, include:
      - (1) Requiring the use of protective apparatus which either protects solely against excessive signal power or which assures that all of the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations are met at the private line service interface.
      - (2) Disconnecting service.
    - c. A charge equal to the Maintenance of Service charge will apply when:
      - (1) It is necessary to send a repair person to the premises where the test equipment is connected because a condition as set forth in a. preceding exists, and
      - (2) A failure to comply with the Institutional Procedures for signal power control is disclosed.

### **B2.7 Special Promotions**

#### **B2.7.1 Regulations**

- A. The Company may offer, subject to Commission approval, special promotions of new or existing services or products for limited periods. The Company will file a written request for each promotion with the Commission with a copy to the Public Staff 14 days prior to the beginning of the promotional period. These promotions will be offered on a completely non-discriminatory basis with each subscriber in the classification of service and area for which the promotion is offered having an equal opportunity for participation, subject to the availability of products, services and facilities.

### **B2.8 Reserved for Future Use**

### **B2.9 Reserved for Future Use**

### **B2.10 Reserved for Future Use**

### **B2.11 Reserved for Future Use**

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 67  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.12 Reserved for Future Use**

### **B2.13 Reserved for Future Use**

### **B2.14 Customer Agents**

#### **B2.14.1 General**

- A. The conditions specified herein apply to any entity (hereinafter "agent"), including but not limited to Customer Premises Equipment Providers, Enhanced Service Providers, and Interexchange Carriers acting or purporting to act on behalf of a customer or prospective customer (hereinafter "customer") in transactions with the Company. Such transactions may include, but are not limited to: (1) requests for information about the service or equipment of any customer, (2) negotiations regarding deposits, (3) orders for establishment of or changes in service or equipment, and (4) requests for or inquiries concerning the repair or maintenance of the service or equipment of any customer.

#### **B2.14.2 Responsibility of the Agent**

- A. The agent shall at all times act within the scope of the agent's authority as defined in the agent's agreement with the customer and shall not undertake any transaction with the Company on behalf of any customer unless the agent has been authorized to do so by that customer.
- B. In undertaking any such transactions on behalf of any customer, the agent shall comply with all rules and regulations in this section of this Price List applicable to the transaction or to the service or equipment to which the transaction pertains.

#### **B2.14.3 Warranty and Liability of the Agent**

- A. By undertaking any transaction with the Company on behalf of a customer, the agent warrants and represents to the Company that the agent has been duly authorized by the customer to act on behalf of the customer in the transaction undertaken. In the event that the customer denies that the agent has acted within the scope of its authority, the agent shall assume responsibility for such transactions and will indemnify and hold the Company harmless from any and all damages, losses, or claims resulting from such dispute or denial by the customer, except for any damages, losses or claims resulting from the Company's willful misconduct, and will pay any and all applicable rates and charges for services rendered or equipment supplied by the Company because of the agent's actions. The foregoing in no way absolves the customer from liability arising from authorized transactions performed by the agent on behalf of the customer.

#### **B2.14.4 Proof of Authority**

- A. When the Company in the reasonable exercise of the Company's discretion believes it appropriate, the Company may request proof of the authority of any party claiming to be the agent of the customer prior to acting upon such request. In the event the Company determines that the agent has submitted orders or inquiries without specific authorization, the Company will not accept orders or inquiries from the agent without specific proof of proper authorization. Failure of the Company to request such proof shall not, however, limit or otherwise affect the agent's responsibility or liability set forth herein, nor shall such a failure constitute a waiver of the Company's right to request such proof at any time in the future.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 68  
Effective: December 31, 2008

## B2. REGULATIONS

### B2.15 Demarcation Point

#### B2.15.1 General

##### A. Demarcation Point Location

1. The demarcation point is comprised of a Company-provided Network Interface (NI) jack and is located on a customer's premises in accordance with 2. and 3. following.
2. Single Family Residence - The normal location of the demarcation point is at an Outdoor Network Interface (ONI) jack affixed to the exterior of the residence. If the subscriber so requests, the demarcation point will be located inside the residence at the facilities entry point or as close to that point as practicable.
3. Other Buildings
  - a. Where a subscriber has provided a telephone equipment room at the premises, the equipment room will be considered the most practicable point of demarcation, unless the subscriber requests a demarcation point location that is closer to the facilities entry point.
  - b. If the owner of a multi-tenant property (one or more buildings on the same contiguous property as defined in North Carolina Utilities Commission Rules R14-2) requests that the Company place or relocate the demarcation point for all tenants/subscribers to one or more points which are located remotely from the tenants/subscribers' premises, such requests will be accommodated if all known tenants/subscribers agree to such an arrangement and if appropriate facility arrangements can be made. The appropriate charges will apply, as specified in this Section of this Price List, to the party or parties who request the relocation. If the placement or relocation is at the request of the tenants/subscribers, such request will be accommodated if the building owner agrees with the arrangement and if appropriate facility arrangements can be made. The appropriate charges will apply, as specified in this Section of this Price List, to the party or parties who request the relocation.
  - c. Single Tenant, Single Floor - Where customer line requirements can be accommodated with an Outdoor Network Interface (ONI), an ONI will be affixed to the exterior of the building. Where customer requirements cannot be accommodated with an ONI, or where the customer requests an interior demarcation point, the demarcation point will be located at the facilities entry point.
  - d. Single Tenant, Multi-floor - One demarcation point will be established on each floor of the building, located at the facilities entry point, unless the subscriber requests a lesser number of demarcation points.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 2  
Original Sheet 69  
Effective: December 31, 2008

## **B2. REGULATIONS**

### **B2.15 Demarcation Point (Cont'd)**

#### **B2.15.1 General (Cont'd)**

- A. Demarcation Point Location (Cont'd)
  - 3. Other Buildings (Cont'd)
    - e. Multi-tenant Buildings - One demarcation point will be established at the facilities entry point in each tenant's premises, except as specified in paragraph b. preceding. Where one subscriber occupies multiple floors, one demarcation point will be established on each floor at the facilities entry point, unless the subscriber requests a lesser number of demarcation points.
    - f. Campus-type properties - Demarcation points will be established in each building on campus properties, in accordance with the preceding.

#### **B2.15.2 Definitions**

##### **DEMARICATION POINT**

The demarcation point is the point at which the regulated Company's facilities end and the customer's premises wiring begins.

##### **PREMISES**

The premises is the discrete real property owned, leased or controlled by a subscriber for the subscriber's own residential or business use.

##### **FACILITIES ENTRY POINT**

The facilities entry point is a point within twelve inches, or as close to that point as practicable, to where the Company's cable or wire first enters a customer's premises through a wall, floor, ceiling or conduit.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 1  
Effective: December 31, 2008

**B3. CHANNELS AND EQUIPMENT**  
CONTENTS

<b>B3.1 Provision of Service</b>	1
B3.1.1 General	1
B3.1.2 Application	1
B3.1.3 Rate Categories	1
B3.1.4 Service Configurations	3
B3.1.5 Special Routing of IntraLATA Channels	4
<b>B3.2 Service Description</b>	4
B3.2.1 Reserved For Future Use	4
B3.2.2 Voice Grade Service Series 2000 Channels	4
B3.2.3 Reserved For Future Use	7
<b>B3.3 Rate Regulations</b>	8
B3.3.1 Types of Rates and Charges	8
B3.3.2 Moves	10
B3.3.3 Mileage Measurements	11
<b>B3.4 Rates and Charges</b>	12
B3.4.1 Local Channels	12
B3.4.2 Non-Wire Center Connected Channels	12
B3.4.3 Continuous Property Channels	13
B3.4.4 Interoffice Channels	17
B3.4.5 Optional Features and Functions	18
<b>B3.5 Classification and Rates - Multistation Arrangements</b>	21
B3.5.1 General	21

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 1  
Effective: December 31, 2008

## B3. CHANNELS AND EQUIPMENT

### B3.1 Provision of Service

#### B3.1.1 General

- A. Channel Services provided under the provisions of this Price List are offered for IntraLATA interexchange Services only. Services consisting of Local Channels, Interoffice Channels, and Optional Features and Functions are classified by series. The various series are sub-divided into different types and are described in terms of circuit characteristics and use.
- B. Customers may order local channels which are designed to meet specific communications requirements. The customer is responsible for determining that his terminal equipment is compatible with the service provided by the Company.
- C. Where multi-point service is furnished, the local channels are bridged in the wire center.
- D. Dedicated circuits between the customer's interLATA Electronic Tandem Switching (ETS) function and the customer's other location(s) within the same LATA will be provided from this Price List. Where this service is provided by the Company as a feature of *Centrex Type Services*, the transport of traffic between the ETS function and the basic *Centrex Type Services* function may be performed by the Company's network switching facilities.

#### B3.1.2 Application

The rates and charges specified herein apply for all IntraLATA interexchange Private Line services provided by the Company.

#### B3.1.3 Rate Categories

- A. Following are the basic rate categories which apply to Private Line service.
  - 1. Local Channels
    - a. A local channel provides for a communications path between the demarcation point at a customer premises and the serving wire center of that premises. One local channel charge applies per channel termination.
    - b. When channels extending between different premises are provided via dedicated cable facilities, a non-wire center connected channel charge applies in lieu of local channel charges.
    - c. The local channel provides the communication path for a service to the demarcation point(s). A demarcation point is the term used for the location where the regulated Company's facilities end and where the deregulated premises wiring begins. A network interface may be located at the point of demarcation. The customer is responsible for connections beyond the demarcation point. The demarcation point(s) will be provided as follows unless the building/property owner specifies a minimum point-of-entry:
      - (1) Single Story Single Customer - demarcation point per customer.
      - (2) Single Story Multiple Customer - demarcation point per customer.
      - (3) Multi-Story Single Customer - demarcation point per customer/story.
      - (4) Multi-Story Multiple Customer - demarcation point per customer/story.
  - 2. Interoffice Channels
 

This rate category provides for the transmission facilities between serving wire centers associated with two customer premises, between serving wire centers associated with a customer premises and a Company hub, or between two Company hubs.

Interoffice mileage is measured in miles. A flat rate and a rate per mile applies. For the method of determining mileage, see B3.3.3.A.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 2  
Effective: December 31, 2008

## B3. CHANNELS AND EQUIPMENT

### B3.1 Provision of Service (Cont'd)

#### B3.1.3 Rate Categories (Cont'd)

A. Following are the basic Categories which apply to Private Line service (Cont'd)

3. Non-Wire Center Connected Channels

Channels between different premises of the same or different customers may be provided in existing or new cable facilities. If new cable construction is required, recurring and nonrecurring charges will be determined via the Contract Service Arrangement process and will be based upon the total recurring and nonrecurring costs of the entire cable capacity provided.

See B3.4.2 for channel charges applicable when existing cable facilities are utilized for non-wire center connected channels

4. Continuous Property Channels

New channels between points on the same customer's continuous property are provided only where spare capacity is available in existing facilities.

A Continuous Property Channel consists of one pair (half duplex) or two pairs (full duplex) of metallic conductors with the physical and electrical transmission characteristics inherent to the existing facility. Equipment that is required to improve or alter the transmission characteristics of the channel is the responsibility of the customer and must be connected on the customer's side of the network interface. The customer may not access or alter a Continuous Property Channel in mid-span; nor install any equipment which results in harm to the facility or other channels within the cable or wire facility.

When twenty five or more half duplex channels are required between the same two points, the Company will consider a bulk provisioning arrangement whereby the subscriber can lease channels in multiples of twenty five channels. With bulk provisioning arrangements, no subsequent recurring or nonrecurring charges apply as channels are activated by the subscriber. Rates for bulk provisioning arrangements are determined on a Special Arrangement Basis, See Section B5.

Continuous Property Channels will be discontinued when associated cable facilities can no longer be economically maintained.

5. Intraexchange mileages for *continuous property* channels are determined as follows:

Continuous property channels are applicable between different buildings on same continuous property.

Such channels will also be applicable to multi-building complexes such as federal, county or municipal centers, airports, shopping centers, colleges and universities, hospitals, resort developments, industrial and business complexes whether or not intersected by a public thoroughfare provided the following conditions are met:

- a. The adjacent property segments created by the intersection of a public thoroughfare would be continuous in the absence of the thoroughfare.
- b. The channels must be provided on a direct basis (not routed via the Central Office) and are available only at the economic option of the Company.
- c. The cost of any supporting structure required for such channels will be borne by the customer unless the facilities carried by the supporting structure are predominantly used to provide exchange telephone service to members of the general telephone user body.

Where channels are located on same continuous property the rates are based on the shortest airline distance between the buildings where the channels are terminated.

Regular Price List charges apply for Intrasystem Continuous Property Channels as outlined in B3 following for those facilities in place as of December 31, 1986. *New services, additions or transfers of service will be offered where spare capacity is available in existing cable facilities.* Where existing facilities have been placed prior to January 1, 1987 under Price List provisions which fully recovered the costs of such facilities as a nonrecurring charge, standard Price List recurring and nonrecurring charges for the first one-tenth mile increment will continue to be applicable for every channel service utilized by the customer.

**B3. CHANNELS AND EQUIPMENT****B3.1 Provision of Service (Cont'd)****B3.1.3 Rate Categories (Cont'd)****A.** Following are the basic Categories which apply to Private Line service (Cont'd)

## 5. (Cont'd)

Non-Intrasystem Channels, such as continuous property channels between the locations of different customers, continue to be available on a regulated basis at the rates and charges specified in this section.

Where channels are located on different premises and a portion of the channel includes facilities which are routed through more than one Company central office, the Interoffice channel mileage charge applies to the direct airline distance measured between the serving central offices only, except between central office which service common area.

When a private line is furnished over facilities which the Company elects to provide on a direct basis and is not routed through a central office, one two-point channel charge will apply. This arrangement is limited to channels not more than one airline mile in length.

Rates as specified in B3.2.1.C.3, B3.2.2.C.3 and B3.2.6.C.2 following are applicable for the channel mileage between serving central offices of each pair of service points that are a part of multi-point service and are measured in accordance with 2 preceding. The Interoffice channel between the service points is considered the same as two point service for pricing purposes.

## 4. Optional Features and Functions

This rate category provides for features and functions which may be added to a service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of the performance characteristics which may be obtained. This category includes a. and b. following:

## a. Hub Functions

A hub is a Company designated wire center where bridging or multiplexing functions are performed i.e., connecting three or more customer premises in a multi-point arrangement or channelizing analog or digital services requiring a lower capacity or bandwidth.

## b. Provides for such things as signaling, conditioning, transfer arrangements, protection switching, etc.

**B3.1.4 Service Configurations****A.** There are two types of service configurations which can be provided. These are described as follows:

## 1. Two-Point Service

A two-point service connects two customer premises either directly through a serving wire center(s) or through a Company hub where additional functions are performed.

## 2. Multi-point Service

## a. Multi-point service connects three or more customer premises through a Company hub.

## b. There is no limitation on the number of mid-links available with multi-point service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between hubs (i.e., bridging locations).

## c. Voice Grade (Series 2000) Multi-point Channel services for data use have a limit of 6 two-wire facility type local channels or 20 four-wire facility type local channels when used with customer-provided station equipment. These units do not apply to Telemetry/Alarm Bridging Service (TABS).

## d. Only certain types of service are available for multipoint applications. These are so designated in the service descriptions set forth in B3.2 following.

**Note 1:** The channels for use in multi-point arrangements are types 1204, 1205, 2230, 2435, 2463, and 2464.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 4  
Effective: December 31, 2008

### B3. CHANNELS AND EQUIPMENT

#### B3.1 Provision of Service (Cont'd)

##### B3.1.5 Special Routing of IntraLATA Channels

- A. The private line services furnished in this Price List are provided over such routes as the Company may elect.
- B. Special routing is involved where, in order to comply with requirements specified by the customer, the Company furnishes the private line service in a manner which includes one or both of the following conditions:
  1. Where two or more private lines must be furnished over different physical routes.
  2. Where a private line must be furnished on a route which avoids specified geographical locations.
- C. When special routing of services is furnished a customer, the rates will be determined on an individual case basis *and filed as a contract service arrangement with the North Carolina Utility Commission.*

#### B3.2 Service Descriptions

##### B3.2.1 Reserved For Future Use

##### B3.2.2 Voice Grade Service - Series 2000

- A. *Series 2000 voice grade service provides for voice and/or data communications on a two point or multipoint basis for service 7 days per week, 24 hours per day, for a minimum period of one month.* These channels may also be furnished on a link (partial channel) basis when connected to services such as DigiXconn service, PacketServ service or DigiServ channel service and/or FiberBand service. Channels which provide Tie Line Service will not be furnished to connect a flat rate system with a message rate system. The transmission characteristics and various types of services furnished within this Series are described in B. and C. following.
- B. Basic parameters and specifications for Series 2000 voice grade service are described for the end to end operation as follows:

Basic Parameters	For Speech Application	For Data Application
Net Loss	Local Channels used with terminal equipment: Limit as specified in the following Local Channel descriptions. Losses or gains present in CPE have not been included.	
Frequency Error	Plus or Minus 5 Hz	Plus or Minus 5 Hz
Frequency Response	(Referenced to 1000 Hz Loss)	
300 - 3000 Hz	-3dB to + 12dB	-3dB to + 12dB
500 - 2500 Hz	-2dB to + 8dB	-2dB to + 3dB
Envelope Delay Distortion		
800 - 2600 Hz	Not Controlled	Less than 1750 Microseconds
C-Notched Noise (with a -13dBm0 1000 Hz Test Signal)	Not Controlled	Noise level 24dB below signal level
Impulse Noise	Not Controlled	15 Counts in 15 minutes at a threshold of 6dB below a -13dBm0 rms 1000 Hz Signal
Phase Jitter	Not Controlled	10 degrees peak to peak
Non-Linear Distortion		
2nd Order Distortion	Not Controlled	25dB below signal level
3rd Order Distortion	Not Controlled	30dB below signal level

**B3. CHANNELS AND EQUIPMENT****B3.2 Service Descriptions (Cont'd)****B3.2.2 Voice Grade Service - Series 2000 (Cont'd)**

- C. Transmission parameters for voice grade service are described following:
1. Type **2230** - A two-wire interface with effective two-wire facilities engineered for a 1004 Hz net loss of 0 to 10dB. Generally furnished for voice transmission - Private Line Telephone, Mobile Radio Telephone, or Supervisory Control Use. **Multi-point service may be provided at charges specified in B3.4.4.A. following.**
  2. Type **2231** - A two-wire interface with two or four-wire facilities engineered for a 1004 Hz net loss of 0dB to 4.5dB. This is generally used for PBX (or similar system) main or extension station services. Signaling is required for this service.
  3. Type **2432** - A two or four-wire interface with effective four-wire facilities engineered for **tie** line service use between PBX's or customer-provided communications systems. Signaling is required for this service.
  4. Type **2434** - A two or four-wire interface for connection to the serving wire center where loop facilities are not required. This channel is suitable for tie line service (with E&M signaling) between Centrex Systems and may be connected with Type 2432 local channels. Signaling is required for this service.
  5. Type **2435** - A four-wire interface with effective four-wire facilities engineered for a 1004 Hz net loss of 0 to 16db. Generally furnished for voice transmission. **Multi-point service may be provided at charges specified in B3.4.4.A. following.**
  6. Type **2260** - A four-wire or two-wire interface with effective two-wire facilities engineered for a 1004 Hz net loss of 16dB. Generally used in the provision of low speed (1200 baud or less) half duplex data services.
    - Transmission data characteristics can only be met and guaranteed for the two-wire interface when the airline distance from the serving wire center to the customer's premises is one mile or less and the interoffice channel is not greater than 4 airline miles between serving wire centers. This restriction is waived where a customer's data set limits transmission power levels to 0.0dBm peak and -13dBm average power over a 3 second period.
    - In consideration of the decreasing supply of metallic facilities required to provide Local Channel (Type 2260), the Company does not hold itself in a position to make such facilities available now and in the future. In addition, if modernization programs dictate the replacement of existing metallic facilities with non-metallic facilities such as fiber optics, the Company will not be required to continue this service over metallic facilities. In consideration of the decreasing supply of metallic facilities, the Company will convert a customer's service requiring such facilities to a non-metallic Voice Grade Service and waive the nonrecurring charges associated with the change. This applies to customers where metallic facilities are being replaced with non-metallic facilities, or a customer may elect to make this change any time prior to a modernization program that would eliminate the availability of metallic facilities.
  7. Type **2261** - A two-wire interface with effective two-wire facilities engineered for use in Telemetry/Alarm Bridging Service (TABS).

**B3. CHANNELS AND EQUIPMENT****B3.2 Service Descriptions (Cont'd)****B3.2.2 Voice Grade Service - Series 2000 (Cont'd)**

- C. Transmission parameters for voice grade service are described following: (Cont'd)
8. Type **2462** - A four-wire interface with effective four-wire facilities engineered for use in Telemetry/Alarm Bridging Service (TABS).
  9. Type **2463** - A four-wire interface with four-wire facilities engineered for a 1004 Hz net loss of 16dB. Generally used in the provision of analog data services. Multi-point service may be provided at charges specified in B3.4.4.A. following.
  10. Type **2464** - A two-wire interface with four-wire facilities engineered for a 1004 Hz net loss of 16dB. Generally used in the provision of analog data services. Multi-point service may be provided at charges specified in B3.4.4.A. following.
- D. Signaling Arrangements
1. Off Premises Stations
    - a. For use with PBX (or similar system) off-premises channels for terminal equipment. Signaling arrangements are furnished for grandfathered and registered PBX (or similar) systems in accordance with Part 68 of the FCC Rules and Regulations or for customer-provided communications systems not subject to Part 68 of the FCC Rules and Regulations.
 

Type A - Furnished for use with Class A PBX (or similar) system station ports capable of operation over loops with resistance in the range of 0-199 ohms.

Type B - Furnished for use with Class B PBX (or similar) system station ports capable of operations over loops with resistance in the range of 200-899 ohms.

Type C - Furnished for use with Class C PBX (or similar) system station ports capable of operation over loops with resistance in the range of 900 ohms or more.
    - b. For connections to registered or grandfathered PBX (or similar) *system* equipment, **the customer must specify the equipment capability for use with Type A, B, or C Signaling Arrangements.**
  2. Tie Lines
    - a. E&M signaling is provided for use with tie line channels with E&M signaling interfaces. Signaling Arrangements are furnished for grandfathered and registered PBX's in accordance with Part 68 of the FCC Rules and Regulations or for customer-provided communications systems not subject to Part 68 of the FCC Rules and Regulations.
      - An E&M Signaling Arrangement is required for each tie line termination, operating in a Dial Repeating mode, at a customer's premises with a registered PBX.
      - An E&M Signaling Arrangement is required for each tie line termination at a customer's premises with grandfathered PBX's when the tie line is arranged with an E&M signaling interface.
      - An E&M Signaling Arrangement is not required with Types **2432** and **2434** channels for additions to or for new installations of grandfathered PBX equipment when not arranged with an E&M signaling interface.
      - An E&M Signaling Arrangement is required for each Type **2432** or **2434** channel termination at a customer's premises with a customer-provided communications system not subject to Part 68 of the FCC Rules and Regulations when arranged with an E&M signaling interface.

**B3. CHANNELS AND EQUIPMENT****B3.2 Service Descriptions (Cont'd)****B3.2.2 Voice Grade Service - Series 2000 (Cont'd)**

- E. Telemetry/Alarm Bridging Service (TABS)**
1. Regulations
    - a. This Price List section contains the regulations applicable for Telemetry/Alarm Bridging Service (TABS)
    - b. Except as otherwise specified following, the regulations contained herein are in addition to the regulations found in other sections of this Price List.
    - c. TABS requires the use of equipment as specified herein and Type 2261 or 2462 voice grade local channels described in C. preceding.
    - d. Terminal equipment provided by the customer for use with TABS must meet specifications for such customer-provided equipment found in other sections of this Price List.
    - e. No more than 128 remote stations may be connected to a master station over an individual Split Band Active Bridge.
    - f. In Split Band Active Bridging arrangements, secondary bridges must be directly connected to the primary bridge via mid-link channels. Secondary bridges cannot be connected through other secondary bridges to allow additional layers of tandeming.
    - g. Secondary bridges, utilized in Split Band, Active Bridging arrangements, reduce the two-wire remote station capacity of the primary bridge. The initial secondary bridge reduces the primary bridge capacity by twelve two-wire remote station connections. Each subsequent secondary bridge reduces the primary bridge capacity by four additional two-wire remote station connections.
    - h. Standard multi-point bridging charges as provided in other sections of this Price List are not applicable to TABS, except as provided in g. preceding.
    - i. Access over four-wire master station channels for Split Band Active Bridging is provided using a Type 2462 local channel.
    - j. Access over remote station channels is provided through a Type 2261 local channel and through the appropriate channel connection as contained in B3.4.4.A.1.c. following. Interconnection of remote stations located outside the serving wire center where the bridge to which they are to be connected is located will require interoffice channels at charges contained in B3.4.3 of this Price List.
    - k. Access over each four-wire mid-link channel for Split Band Active Bridging is through voice grade interoffice channels at charges contained in B3.4.3 of this Price List. Additionally, mid-link channel connections are required as described in B3.4.4.A.1.c. following.
  2. Service Description
    - a. Telemetry/Alarm Bridging Service is a multi-station, voice frequency, private line service designed to provide connections between a master station and a number of remote stations simultaneously. Direct transmission between remote stations is not intended. This service is intended for application in multi-point, voice frequency, data or tone signaling arrangements with transmission at rates up to 400 baud.
    - b. TABS is provided in the following arrangement:  
Split Band, Active Bridging - A bridging arrangement providing for a four-wire (master station or mid-link channel) frequency split common port and multiple two-wire (remote station) ports intended for application in multi-point, voice frequency, data or tone signaling arrangements. Two-way (polling) communication between the master station and each remote station is intended.

**B3.2.3 Reserved For Future Use**

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 8  
Effective: December 31, 2008

## B3. CHANNELS AND EQUIPMENT

### B3.3 Rate Regulations

#### B3.3.1 Types of Rates and Charges

- A. The two types of rates and charges are monthly rates and nonrecurring charges and are described as follows:

1. Monthly Rates

Monthly rates are recurring charges that apply each month or fraction thereof that a service is provided. For billing purposes, each month is considered to have thirty days.

2. Nonrecurring Charges

Nonrecurring Charges are one-time charges that apply for a specific work activity. The three types of nonrecurring charges that apply are installation of service, installation of features and functions and service arrangements.

a. Installation of Service

Nonrecurring charges apply for each service terminated at the customer's premises. For the installation of local channels when more than one of the same type of service, between the same locations, for the same customer is ordered and installed at the same time, one at each location is billed at the First Service Installed rate and the others are billed at the Additional Service Installed rate.

The nonrecurring charges for the Installation of Services are set forth in B3.4 following as Nonrecurring Charges for the Local Channel and Interoffice Channel rate elements.

Rates and charges for Network Interface Equipment are set forth in Section 15 of the General Exchange Price List.

- b. Nonrecurring charges apply for the installation of features and functions available with the various services. For some features and functions there is a lower charge if installed coincident with the service and a higher charge if installed subsequent to the service. The "initial" nonrecurring charge applies when the feature or function is installed at the same time as the service is installed. If the feature or function is installed after the service is established, then the "Subsequent" nonrecurring charge applies.

c. Service Rearrangements

- (1) Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in B3.3.2 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 9  
Effective: December 31, 2008

## **B3. CHANNELS AND EQUIPMENT**

### **B3.3 Rate Regulations (Cont'd)**

#### **B3.3.1 Types of Rates and Charges (Cont'd)**

A. The two types of rates and charges are monthly rates and nonrecurring charges and are described as follows: (Cont'd)

2. Nonrecurring Charges (Cont'd)

c. Service Rearrangements (Cont'd)

(1) (Cont'd)

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Private Line Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes name),
- Change of customer's premises address when the change of address is not a result of a physical relocation of equipment.
- Change in billing data (name, address or contact name or telephone number).
- Changes of jurisdiction, e.g. intraLATA to intrastate, intrastate to interstate, etc.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 10  
Effective: December 31, 2008

## B3. CHANNELS AND EQUIPMENT

### B3.1 General (Cont'd)

#### B3.3.1 Types of Rates and Charges (Cont'd)

##### A. (Cont'd)

##### 2. Nonrecurring Charges (Cont'd)

##### c. Service Rearrangements (Cont'd)

##### (2) All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the local channel and bridging rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage and/or optional features may also apply.
- If the change involves the addition of other customer designated premises to an existing two-point service, resulting in a multipoint circuit configuration, the nonrecurring charge for the local channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply.
- If the change involves the disconnection of a customer designated premises from an existing multipoint circuit resulting in a two-point circuit configuration, no charge will apply.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a voice grade service the subsequent, nonrecurring charge will apply for the new type signaling. The charge will apply per service termination affected.
- For rearrangements and all other activities involving physical changes to the service provided or the addition of optional features without separate nonrecurring charges, a charge equal to a local channel rate element nonrecurring charge will apply. Only one such charge will apply per service order per change.
- For a change of customer of record, where no specific transfer of service charge is stated and for all other activities involving no physical changes, the following charges will apply: (1) If the request is for multiple circuits of the same type, a charge equal to one "First" Local Channel nonrecurring charge applies, (2) If the request is for only one circuit, a charge equal to one "Additional" Local Channel nonrecurring charge applies, (3) If the request is for multiple circuits of different types, charges will be applicable for each type of circuit according to the same guidelines in (1) and (2) preceding.

#### B3.3.2 Moves

##### A. A move involves a change in the physical location of one of the following:

1. The point of interface at the customer premises.
2. The customer's premises.

##### B. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

##### 1. Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the nonrecurring (i.e., installation) charge for the affected service termination at the customer's premises. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the basic service.

##### 2. To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established at the new location. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

NORTH STATE TELEPHONE  
 COMPANY  
 High Point, North Carolina

Section 3  
 Original Sheet 11  
 Effective: December 31, 2008

**B3. CHANNELS AND EQUIPMENT**

**B3.3 Rate Regulations (Cont'd)**

**B3.3.3 Mileage Measurements**

- A. When station locations of a private line service are located in different wire center serving areas, interoffice channel charges apply. Charges are based on the direct airline distance measured between the serving wire centers. Mileage is determined in accordance with the following:
1. Obtain the "V" and "H" coordinates for each wire center, as listed in the National Exchange Carrier Association, Inc. (NECA) Price List F.C.C. No. 4.
  2. Obtain the difference between the "V" coordinates of the two wire centers. Obtain the difference between the "H" coordinates. (The difference is always obtained by subtracting the smaller coordinate from the larger coordinate.)
  3. Square each difference obtained in 2. preceding.
  4. Add the squares of the "V" difference and the "H" difference obtained in 3. preceding.
  5. Divide the sum of the squares obtained in 4. preceding by 10.
  6. Obtain the square root of the result obtained in 5. preceding. This is the rate distance in miles. (Fractional miles being considered as full miles.)

EXAMPLE: The rate distance is required between City One and City Two.

	<b>V</b>	<b>H</b>
City One	7,260.00	2,083.00
City Two	7,364.00	1,865.00
Difference	104.00	218.00
Squared		10816+47524=58340

58,340 divided by 10 = 5834

Square root of 5834 = 76.38 = 77 Airline miles

- B. When a private line is furnished over facilities which the Company elects to provide on a direct basis and is not routed through a central office, one two-point channel charge from B3.4.2 will apply. The arrangement is limited to channels not more than one airline mile in length.
- C. For the purpose of applying multipoint charges, the bridging or hubbing locations are determined by that combination of airline distances connecting the serving wire center which will produce the lowest interoffice mileage charges. Bridging charges apply when three or more channels connect at the same location.
- D. For Series 1000, 2000 and 6000 channels the customer may specify the sequence in which the service points are to be connected in which case the rate mileage is the shortest airline mileage determined in accordance with paragraph C. preceding which will connect the wire centers of the service points in the specified sequence.

NORTH STATE TELEPHONE  
 COMPANY  
 High Point, North Carolina

Section 3  
 Original Sheet 12  
 Effective: December 31, 2008

**B3. CHANNELS AND EQUIPMENT**

**B3.4 Rates and Charges**

**B3.4.1 Local Channels**

A. Voice Grade

Per point of termination

1. Voice

	Monthly Rate	Nonrecurring Charge		USOC
		First	Additional	
(a) Type 2230	\$19.95	\$145.60	\$145.60	P2JUX
(b) Type 2231	26.00	162.25	162.25	P2JHX
(c) Type 2432	37.00	203.65	203.65	P2JQX
(d) Type 2434	5.18	166.50	166.50	P2JGX
(e) Type 2435	39.85	365.00	365.00	P2JWX
(f) Type 2261	21.08	150.00	150.00	P2JLX
(g) Type 2462	48.70	191.45	191.45	P2JRX

2. Data

(a) Type 2260	24.35	148.88	148.88	P2JKX
(b) Type 2463	44.00	203.66	203.66	P2JMX
(c) Type 2464	44.00	203.66	203.66	P2JNX

**B3.4.2 Non-Wire Center Connected Channels**

A. Served Direct

1. Not routed via the central office, limited to one airline mile or less

	Monthly Rate	Nonrecurring Charge		USOC
		First	Additional	
(a) Series 2000	\$10.00	\$156.00	156.00	SDD2X

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 13  
Effective: December 31, 2008

**B3. CHANNELS AND EQUIPMENT**

**B3.4 Rates and Charges (Cont'd)**

**B3.4.3 Continuous Property Channels**

A. Rates - Monthly Service

1. For use with terminal equipment (Cont'd)

a. Other Channels (Cont'd)

(1) To connect a station location in a building to another station location, per channel<sup>1</sup>

	<b>Nonrecurring Charge</b>	<b>Monthly Rate</b>	<b>USOC</b>
(a) Type 2230 (2101)	\$179.80	\$.75	2SE++
(b) Type 2463 (2120)	285.00	8.85	2SE++
(c) Type 2260 (2121)	158.75	2.70	2SE++
(d) Type 2464 (2122)	243.00	11.10	2SE++
(e) Type 2261 (2140)	163.00	1.95	1L6BB
(f) Type 2462 (2141)	243.00	8.85	1L6DB

(2) To connect additional station locations in a building to a Local Channel, to a channel between different buildings on the same continuous property, or to a channel wholly within the same building, each termination<sup>2</sup>

(a) Type 2230 (2101/2001)	\$75.90	\$.75	4SE++
(b) Type 2463 (2120/2020)	122.95	8.85	4SE++
(c) Type 2231 (2012)	94.95	0.75	4SE++
(d) Type 2432 (2014)	99.00	9.15	4SE++
(e) Type 2260 (2121/2021)	75.90	1.65	4SE++
(f) Type 2464 (2122/2022)	122.95	9.25	4SE++
(g) Type 2261 (2140/2040)	75.50	1.65	4SE++
(h) Type 2462 (2141/2041)	122.00	8.85	4SE++

**Note 1:** Reference B3.1.3.A.5 concerning these channels services.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 14  
Effective: December 31, 2008

### B3. CHANNELS AND EQUIPMENT

#### B3.4 Rates and Charges (Cont'd)

##### B3.4.3 Continuous Property Channels

###### A. Rates - Monthly Service

1. For use with terminal equipment (Cont'd)
  - b. For a channel between different buildings on same continuous property, or to connect a channel between different buildings on same continuous property to a *Local channel*<sup>2,3</sup>
    - (1) First 1/10 mile

	Nonrecurring Charge	Monthly Rate	USOC
(a) Type 2230 (2101/2001) <sup>4</sup>	\$211.10	\$2.05	1LP+E
(b) Type 2463 (2120/2020) <sup>4</sup>	282.00	8.85	1L6+E
(c) Type 2231 (2112/2012) <sup>4</sup>	190.00	1.90	1LV+E
(d) Type 2432 (2114/2014) <sup>4</sup>	271.00	11.35	1LT+E
(e) Type 2260 (2121/2021) <sup>4</sup>	179.00	2.75	1L6+E
(f) Type 2464 (2122/2022) <sup>4</sup>	281.90	11.10	1L6+E
(g) Type 2261 (2140) <sup>4</sup>	179.00	2.75	1L6BE
(h) Type 2462 (2141) <sup>4</sup>	281.90	8.85	1L6DE
(2) Each additional 1/10 mile			
(a) Type 2230 (2101/2001)	-	1.70	1LP+E
(b) Type 2463 (2120/2020)	-	3.05	1L6+E
(c) Type 2231 (2112/2012)	-	1.55	1LV+E
(d) Type 2432 (2114/2014)	-	3.05	1LT+E
(e) Type 2260 (2121/2021)	-	1.55	1L6+E
(f) Type 2464 (2122/2022)	-	3.05	1L6+E
(g) Type 2261 (2140)	-	1.70	1L6BE
(h) Type 2462 (2141)	-	3.05	1L6DE

###### 2. Service Connection Charges

- a. Service Ordering Charges are applicable, per service order, for receiving and recording information and/or taking action in connection with a customer's request and processing the necessary data. These charges include the engineering design function. Only one Service Ordering Charge applies for (1) a two point channel service, (2) a multi-point channel service where all points are ordered and installed at the same time, and (3) more than one channel service ordered and installed at the same time of the same type for termination at the same premises.

**Note 1:** Reserved for future use.

**Note 2:** When a channel between different buildings on the same continuous property or within the same building requires a connection to the serving wire center, then a charge for each Local Channel required will apply.

**Note 3:** Reference B3.1.3.A.5 concerning these channels.

**Note 4:** The nonrecurring charge is per Channel.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 15  
Effective: December 31, 2008

### B3. CHANNELS AND EQUIPMENT

#### B3.4 Rates and Charges (Cont'd)

##### B3.4.3 Continuous Property Channels (Cont'd)

A. Rates - Monthly Service (Cont'd)

2. Service Connection Charges (Cont'd)

- b. Premises Visit Charges are applicable, per channel, for termination of a channel within the same building, a channel between buildings on the same continuous property, a channel not routed via the central office, a Local Channel, or for Inside Moves. Only one Premises Visit Charge applies when more than one channel service of the same type is terminated at the same premises at the same time.
- c. Channel connection charges are applicable for the connection and testing of Local Channels, Channel Terminals, channels wholly within the same building, and channels between buildings on the same continuous property, channels not routed via the central office, or for Inside Moves. The charges applicable are those nonrecurring charges associated with Local Channels, Channel Terminals, channels wholly within the same building (**B3.4.3.A.1.a.** and/or **(b)**), and channels between buildings on the same continuous property, and channels not routed via the central office. Connection charges for moving a channel termination from one point within a building to another point within the same building (Inside Moves) are per termination and are as specified in f. and g. following.
- d. Changes  
Changing from one type of service to another type of service is considered as a disconnect and new connect.
- e. Unloading cable pairs
  - (1) Charges

	<b>Nonrecurring Charge</b>	<b>USOC</b>
(a) Per Local Channel	<b>\$1,000.50</b>	NA
(b) Per Interoffice Channel	<b>1,885.25</b>	NA
f. Charges for Types <b>2230 -2261</b>		
(1) Service Ordering Charge		

	<b>Nonrecurring Charge</b>				<b>USOC</b>
	<b>Series 2100</b>				
	<b>(2001/2101)</b>	<b>(2012)</b>	<b>(2021 /2121)</b>	<b>(2040/2140)</b>	
	<b>2230</b>	<b>2231</b>	<b>2260</b>	<b>2261</b>	
(a) (Reserved for future use)					
(b) Additional Stations within a building <sup>1</sup>	<b>\$123.00</b>	<b>\$123.00</b>	<b>\$123.00</b>	<b>\$123.00</b>	NA
(c) Channels wholly within the same building <sup>2</sup>	<b>123.00</b>	NA	<b>123.00</b>	<b>123.00</b>	NA
(d) Channels between buildings on the same continuous property	<b>123.00</b>	<b>123.00</b>	<b>123.00</b>	<b>123.00</b>	NA
(e) Inside Moves	<b>93.25</b>	<b>93.25</b>	<b>93.25</b>	<b>93.25</b>	NA

**Note 1:** Premises Visit Charges do not apply to Type 2015 Station Terminals.

**Note 2:** This charge is also applicable to additional stations installed subsequently in a building.

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 16  
Effective: December 31, 2008

**B3. CHANNELS AND EQUIPMENT**

**B3.4 Rates and Charges (Cont'd)**

**B3.4.3 Continuous Property Channels (Cont'd)**

- A. Rates - Monthly Service (Cont'd)
  - 2. Service Connection Charges (Cont'd)
    - f. Charges for Types **2230 - 2261** (Cont'd)
      - (2) Premises Visit

		Nonrecurring Charge Series 2100				
		(2001/2101)	(2012)	(2021/2121)	(2040/2140)	
		2230	2231	2260	2261	USOC
(a)	For a channel within the same building for Inside Moves	NA	32.25	36.00	26.50	NA
(b)	For a channel between buildings on the same continuous property	36.50	49.50	49.50	36.50	NA
(3)	Connection Charge <sup>2</sup>					
(a)	Inside Moves	75.50	122.00	122.00	75.50	NA

- g. Charges for Types **2432 - 2464**

		Nonrecurring Charge Series 2100				
		(2014)	(2041/2141)	(2120 /2020)	(2122/2022)	
		2432	2462	2463	2464	USOC
(a)	(Reserved for future use)					
(b)	Additional Stations within a building	\$123.00	\$123.00	\$123.00	\$123.00	NA
(c)	Channels wholly within the same building <sup>1</sup>	123.00	NA	123.00	123.00	NA
(d)	Channels between buildings on the same continuous property	123.00	123.00	123.00	123.00	NA
(e)	Inside Moves	93.25	93.25	93.25	93.25	NA
(2)	Premises Visit					
(a)	For a channel within the same building for Inside Moves	NA	32.25	36.00	26.50	NA
(b)	For a channel between buildings on the same continuous property	36.50	49.50	49.50	36.50	NA
(3)	Connection Charge <sup>1</sup>					
(a)	Inside Moves	75.50	122.00	122.00	75.50	NA

**Note 1:** Connection charges for channels other than for Inside Moves are as specified in B3.4.3.1 and 2 and B3.4.4 of this Price List.

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 17  
Effective: December 31, 2008

**B3. CHANNELS AND EQUIPMENT**

**B3.4 Rates and Charges (Cont'd)**

**B3.4.4 Interoffice Channels<sup>1</sup>**

- A. Fixed and Mileage Charges applicable
  - 1. Voice Grade

	<b>Fixed Monthly Charge</b>	<b>Monthly Nonrecurring Charge Per Mile</b>	<b>Charge Per Channel</b>	<b>USOC 3LBBS</b>
(a) Series 2000	<b>\$30.00</b>	<b>\$2.05</b>	<b>\$48.83</b>	

**Note 1:** For method of determining mileage, see B3.1.3.A.5 concerning these channels.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 18  
Effective: December 31, 2008

**B3. CHANNELS AND EQUIPMENT**

**B3.4 Rates and Charges (Cont'd)**

**B3.4.5 Optional Features and Functions**

**A. Bridging**

Bridging charges are applicable where more than two Local Channels, or one or more Local Channels and more than one Interoffice Channel, or more than one Local Channel and one Interoffice Channel are bridged or hubbed at the same wire center. No additional bridging charges are applicable for Series 1000, Types 1204 and 1205.

1. Voice Grade Bridges (Series 2000)

a. Voice Bridging

(1) Per Port

(a) Two-Wire (Type 2230)

**Monthly  
Rate**

**\$4.96**

**Nonrecurring  
Charge**

**\$54.79**

**USOC**

**BQ9**

(b) Four-Wire (Type 2435)

**4.96**

**62.00**

**BQ9**

b. Data Bridging

(1) Per Port

(a) Four-Wire (Types 2463 and 2464)

**8.00**

**63.00**

**BQ9**

c. Telemetry and Alarm Bridging-Split Band, Active Bridging

(1) Common Equipment, per central office

(a) First bridging shelf, capacity of 48 two-wire connections

**110.00**

**430.00**

**XW1**

(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf

**90.00**

**390.00**

**XW2**

(c) Additional bridging shelf, capacity of 56 two-wire connections installed at the same time as the first bridging shelf

**40.00**

**240.00**

**XW8**

(2) Channel connections, per channel connected

(a) Remote station channel connection

**2.90**

**22.30**

**XW3**

(b) Mid-link channel connection, first channel

**10.00**

**65.00**

**XW4**

(c) Mid-link channel connection, subsequent channels

**5.00**

**47.64**

**XW5**

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 19  
Effective: December 31, 2008

**B3 CHANNELS AND EQUIPMENT**

**B3.4 Rates and Charges (Cont'd)**

**B3.4.5 Optional Features and Functions (Cont'd)**

**B. Signaling Arrangements**

Signaling arrangements are provided at the customer's option to arrange channels for suitable signaling. Signaling is required on all off-premises extension channels and tie line channels associated with PBX (or similar) systems.

1. Per local channel

		Nonrecurring Charge		
	Monthly Rate	Initial	Subsequent	USOC
(a) Ringdown-Manual	\$ <b>.42</b>	<b>\$10.50</b>	<b>\$12.51</b>	<b>SL3</b>
(b) Ringdown-Automatic	<b>.42</b>	<b>28.25</b>	<b>33.65</b>	<b>SL5</b>
(c) E & M Type	<b>2.50</b>	<b>35.50</b>	<b>42.28</b>	<b>SLM</b>
(d) Type A (0-199 ohms)	<b>4.85</b>	<b>28.00</b>	<b>33.65</b>	<b>SAL</b>
(e) Type B (200-899 ohms)	<b>2.68</b>	<b>18.00</b>	<b>21.44</b>	<b>SAU</b>
(f) Type C (900 or more ohms)	<b>.20</b>	<b>3.00</b>	<b>3.57</b>	<b>SAY</b>

2. Per Channel not routed via the Central Office or between buildings on the same continuous property

(a) Type A Arrangement (0-199 ohms)	<b>14.10</b>	<b>41.10</b>	<b>49.10</b>	<b>SALSD</b>
(b) Type B Arrangement (200-899 ohms)	<b>4.55</b>	<b>30.00</b>	<b>35.70</b>	<b>SAUSD</b>
(c) Type C Arrangement (900 or more ohms)	-	-	-	<b>SAYSD</b>

3. Per Channel not routed via the Central Office or between buildings on the same continuous property or channels within the same building

(a) E & M Type	<b>5.75</b>	<b>33.00</b>	<b>39.25</b>	<b>SLMEM</b>
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NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 20  
Effective: December 31, 2008

### B3. CHANNELS AND EQUIPMENT

#### B3.4 Rates and Charges (Cont'd)

##### B3.4.5 Optional Features and Functions (Cont'd)

###### C. Conditioning (Voice Grade Services)

1. Conditioning provides more specific transmission characteristics for data services. There are two types of C-conditioning and one type of D-conditioning, each with different technical specifications. C-Type conditioning controls attenuation distortion and envelope delay distortion. D-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion.

Conditioning is charged for on a per Local Channel basis for two-point and multi-point service. For two-point services the parameters apply to each service. For multi-point services the parameters apply to any path between any two service points.

2. The types and description of the available conditioning options are as follows:

Type Conditioning	Frequency Response Specification	Envelope Delay Distortion Specification	
C1 (two-point or multipoint)	300-2700 Hz, -2dB to +6dB. 1000-2400 Hz, -1dB to +3dB. 300-3000 Hz, -3dB to +12dB.	1000-2400 Hz, less than 1000 microseconds	
C2 (two-point or multipoint)	300-3000 Hz, -2dB to +6dB. 500-2800 Hz, -1dB to +3dB.	1000-2600 Hz, less than 500 microseconds 600-2600 Hz, less than 1500 microseconds 500-2800 Hz, less than 3000 microseconds	
	<b>C-Notched Noise</b>	<b>Non-Linear Distortion</b>	
		<b>2nd Order Distortion</b>	<b>3rd Order Distortion</b>
D1 (two-point)	Noise level 28dB below signal level	35dB below signal level	40dB below signal level

3. When a channel is equipped with Type D1 conditioning and is utilized for voice communications, the Company does not undertake to represent that the channel will be suitable for such voice transmission.

###### 4. C-Type Conditioning

- a. C-Type Conditioning is available for Types 2463 and 2464.

- (1) C-Types of Conditioning per local channel

	Monthly Rate	Nonrecurring Charge		USOC
		Initial	Subsequent	
(a) C1-Type	\$1.17	\$8.50	\$10.12	P2W
(b) C2-Type	-	30.00	35.73	P3W
5. D-Type Conditioning				
a. D-Type Conditioning				
(1) Available for Types 2463 and 2464				
(a) D1-Type	5.00	30.00	35.73	QHA

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 3  
Original Sheet 21  
Effective: December 31, 2008

### B3. CHANNELS AND EQUIPMENT

#### B3.5 Classification and Rates - Multistation Arrangements

##### B3.5.1 General

A. A Multistation charge is applicable for each Local Channel, or Service Configuration *arranged to provide communications capability where:*

- All stations of a service are located on the same premises consisting of more than two stations.
- Stations of a service are located on different premises and more than one station on the same premises are connected to that service.

1. Multistation Services which are connected to a Local Channel are offered for Types **2230, 2463 and 2464** (2101, 2001, 2120, 2020, 2122 and 2022) only.
2. A maximum of four bridged stations per premises per Local Channel is allowed for Types **2463 and 2464** (2120, 2020, 2122 and 2022)
3. Data equipment must be within 1500 feet of the termination of the Local Channel.

B. Rates

1. Multistation Charges - Charges are applicable where more than one station location on the same premises is connected to a Local Channel

a. Series 2000 (**2100**)

(1) For Nonkey System termination, per Local Channel or Station Terminal

	Nonrecurring Charges	Monthly Rate	USOC
(a) Type 2230 ( <b>2101/2001</b> )	\$35.50	\$3.70	MPG1X
(b) Type 2463 ( <b>2120/2020</b> )	210.75	3.70	MPG3X
(c) Type 2464 ( <b>2122 /2022</b> )	210.75	3.70	MPG3X

(2) For Key System termination, per Local Channel or Station Terminal

(a) Type 2230 ( <b>2101/2001</b> ) use	52.50	5.25	MPH1X
----------------------------------------	-------	------	-------

2. Multistation Charges - Charges applicable where there are more than two station locations forming one service configuration and the service configuration is wholly within the same building or on the same continuous property, or not routed via the central office.

a. Series 2000 (**2100**)

(1) Per Service Configuration

(a) Type 2230 ( <b>2101</b> ) use	77.75	11.90	MPJ1X
(b) Type 2463 ( <b>2120</b> ) use	71.00	3.70	MPJ7X
(c) Type 2464 ( <b>2122</b> ) use	71.00	3.70	MPJ9X

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 4  
Original Sheet 1  
Effective: December 31, 2008

**B4. RESERVED FOR FUTURE USE**

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 5  
Original Sheet 1  
Effective: December 31, 2008

**B5. CONSTRUCTION CHARGES**

CONTENTS

<b>B5.1 General</b>	1
<b>B5.2 Special Type of Construction</b>	2
<b>B5.3 Poles on Private Property</b>	2
<b>B5.4 Circuitous Routing or Special Types of Construction</b>	2
<b>B5.5 Payment of Construction Charges</b>	2

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 5  
Original Sheet 1  
Effective: December 31, 2008

## B5. CONSTRUCTION CHARGES

### B5.1 General

- A.** Special charges in the form of installation charges, monthly charges, or both are applied in addition to all rates and charges quoted in the other sections of this Price List when, because of sporadic or occasional nature of the service or an unusual investment or expense, the revenue does not reasonably compensate the Company, for example:
1. The facilities are provided in remote or undeveloped sections.
  2. Conditions require the provision of special equipment or unusual methods of plant construction, installation or maintenance.
  3. The customer's location requires the use of costly private right-of-way.
- B.** Title to all construction provided wholly or partly at a customer's expense is vested in the Company, except as specified in B5.2.A. and B5.3.A. following.
- C.** For special equipment and arrangements furnished in connection with private line service, or for special service arrangements furnished in lieu of existing Price List offerings, provided there is reasonable potential for uneconomic bypass of the Company's services, charges equivalent to the estimated cost of furnishing such equipment or arrangements apply. Estimated cost consists of an estimate of the following items to the extent that they are applicable:
1. Cost of maintenance.
  2. Cost of operation.
  3. Depreciation on the estimated cost installed of any facilities provided, based on the anticipated useful service life of the facilities with an appropriate allowance for the estimated net salvage.
  4. Administration, taxes and uncollectible revenue on the basis of reasonable average charges for these items.
  5. Any other specific items of expense associated with the particular situation.
  6. A reasonable amount, computed on the estimated cost installed of any facilities provided, for return and contingencies.

Estimated cost installed as mentioned in 3. and 6. above includes cost of equipment and material specifically provided or used plus the estimated cost of installing, including engineering, labor, supervision, transportation, rights-of-way and any other items which are chargeable to the capital accounts of the Company.

Initial service periods exceeding one month may be necessary for facilities and equipment provided under a special service arrangement.

Information filed for Special Service Arrangements furnished in lieu of existing Price List offerings shall be received at the Commission's offices at least 15 days before the date upon which the proposed rates are to become effective.

- D.** When attachments are made to poles of other companies, in lieu of providing construction for which the customer would be charged under the provisions hereof, the costs of the Company for such attachments are borne by the customer.
- E.** The customer is required to pay construction charges as made by another company providing facilities connecting with the facilities of the Company.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 5  
Original Sheet 2  
Effective: December 31, 2008

## **B5. CONSTRUCTION CHARGES**

### **B5.2 Special Type of Construction**

- A. When underground service connections are desired by customers as initial installations in places where aerial drop wires would ordinarily be used to reach the customer's premises, or when aerial facilities are used to provide service or channels to a customer and subsequently the customer desires that such facilities be placed underground, the following regulations apply.
1. Where cable is placed in conduit, the underground conduit shall be constructed and maintained by or at the expense of the customer and in addition the customer shall pay the cost of the underground cable, including the cost of installing it, less the estimated cost to the Company of installing such aerial facilities as would be (or are) required to furnish the same service. The underground conduit shall be constructed in accordance with plans and specifications furnished by the Company. Ownership of such conduit is vested in the customer and necessary replacements shall be made by him.
  2. The duct or ducts required in the underground conduit by the Company to furnish service shall be reserved for its exclusive use.
  3. Where armored cable is laid in a trench, the trench shall be constructed and backfilled by or at the expense of the customer. In addition, the customer shall pay the cost of the cable, including the cost of installing it, less the estimated cost to the Company of installing such aerial drop as would be (or is) required to furnish the same service.
  4. Cable placed in conduit provided by a customer will be maintained and replaced at the expense of the Company where the conduit has been inspected in place by the Company and approved, but repairs or replacements of cable in conduit not so inspected and approved, or repairs or replacements of cable in conduit or trench made necessary by damages caused by the customer or his representatives will be made only at the customer's expense.
  5. Where facilities are changed from aerial to underground, in addition to the above the customer is charged the cost of dismantling and removing the aerial facilities.

### **B5.3 Poles on Private Property**

- A. Poles to be used in serving only a particular customer and located on his premises shall in all cases be furnished and maintained by him or at his expense and shall conform to the Company's specifications. Ownership of such poles on private property is vested in the customer and necessary pole replacements shall be made by him.
- B. Poles on private property to be used to serve more than one customer or to be used as a part of the standard distributing plant serving customers in general are furnished, maintained, and owned by the Company, subject to such construction charge as may be applicable.
- C. Circuits on poles on private property are furnished, owned and maintained by the Company.

### **B5.4 Circuitous Routing or Special Types of Construction**

When circuitous routing or special type of construction is provided at the customer's request, in cases where facilities would ordinarily be provided without construction charge to the customer, the excess cost of special construction is borne by the subscriber.

### **B5.5 Payment of Construction Charges**

Construction charges are payable at the time application for service is signed or when the account is rendered, at the option of the Company.



INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 6  
Original Sheet 1  
Effective: December 31, 2008

**B6. RESERVED FOR FUTURE USE**

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 1  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### CONTENTS

<b>B7.1 DigiServ Service</b>	1
B7.1.1 General	1
B7.1.2 Regulations	1
B7.1.3 Rates and Charges	7
<b>B7.2 DDS Service</b>	9
B7.2.1 General	9
B7.2.2 Regulations	10
B7.2.3 Rates and Charges	18
B7.2.4 Types of Rates and Charges	21
B7.2.5 Moves	23
<b>B7.3 DigiServ Channel Service</b>	24
B7.3.1 General	24
B7.3.2 Application of Rates	26
B7.3.3 Digital Architecture and Definitions	27
B7.3.4 Rates and Charges	29
<b>B7.4 FiberBand Service</b>	32
B7.4.1 General	32
B7.4.2 Application of Rates	36
B7.4.3 Digital Architecture and Definitions	38
B7.4.4 Reserved for future use	39
B7.4.5 Rates and Charges	40
<b>B7.5 Reserved for Future Use</b>	47
<b>B7.6 Reserved for Future Use</b>	47
<b>B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service</b>	47
B7.7.1 General	47
B7.7.2 Application of Rates	50
B7.7.3 Architecture	53
B7.7.4 Rates and Charges	55

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 2  
Effective: December 31, 2008

## **B7. DIGITAL NETWORK SERVICE**

### CONTENTS

<b>B7.8</b>	<b>Reserved For Future Use</b>	59
<b>B7.9</b>	<b>DigiServ Plus Service</b>	59
B7.9.1	General	59
B7.9.2	Regulations	59
B7.9.3	Rates and Charges	62
<b>B7.10</b>	<b>DigiServ Light Service</b>	64
B7.10.1	General	64
B7.10.2	Regulations	64
B7.10.3	Rates and Charges	67

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 1  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### B7.1 DigiServ Service

#### B7.1.1 General

- A. DigiServ service is furnished for Private Line IntraLATA interexchange Communications by the Company.
- B. DigiServ service is a service for the transmission of digital signals only and uses only digital transmission facilities.
- C. DigiServ service provides for the simultaneous two-way transmission of isochronous digital signals at speeds of DS1/1.544 Mbps, where facilities are available.
- D. To ensure satisfactory operation, the terminal equipment provided by the customer must be compatible with the DS1/1.544 Mbps channel facility provided by the Company. The technical specifications and standard network interfaces for DigiServ service contained in BellSouth *Telecommunications* Technical Reference Publication 73525. This publication is available from BellSouth *Telecommunications* Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243.
- E. Unless specified following, the regulations for DigiServ service specified herein apply in addition to the regulations set forth in Section B2. preceding.
- F. The rates specified for DigiServ service in B7.1.3 following contemplate the provision of a digital quality facility utilizing existing interoffice carrier equipment and/or exchange cable facilities compatible with this service. If such equipment, new facilities or changes to existing facilities are required for the provision of this service, a special construction charge based on the cost incurred to make the changes will apply in addition to the rates for DigiServ service.

#### B7.1.2 Regulations

- A. Description of Service
  - 1. DigiServ service is furnished for the simultaneous two-way transmission of serial, Bipolar Return-to-Zero (BPRZ) isochronous digital signals, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format, at a speed of DS1/1.544 Mbps between two-points located within a LATA.
  - 2. Multipoint service is not available.
  - 3. DigiServ service is available on a month-to-month basis or under variable rate periods, with rates based on lengths of 36 months, 60 months, or 84 months, under conditions specified in B2.4.9 of this Price List.
  - 4. Connection of DS1/1.544 Mbps communications systems provided by others may be made on a permissive basis as provided for in Section B2., the Company does not represent its DigiServ service as adapted for such connections, and shall not be responsible for the through transmission of signals, or the quality of such transmission on such connections.
  - 5. A Channel Service Unit (CSU) or appropriate Termination Equipment (TE) provided by the customer is required at a customer's or authorized user's premises to perform such functions as:
    - proper termination of the service
    - amplification
    - signal shaping
    - remote loop-back
  - 6. The design, maintenance and operation of DigiServ service contemplates communications originating and terminating as (1) a customer premises to customer premises channel via the Company's Serving Wire Center, (SWC) - and/or through remote SWCs; (2) a customer premises to the Serving Wire Center - and/or to remote SWCs - partial channel (link); or (3) a central office to central office (interoffice) partial channel (link).

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 2  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### B7.1 DigiServ Service (Cont'd)

#### B7.1.2 Regulations (Cont'd)

- A. Description of Service (Cont'd)
7. DigiServ service may also be furnished on a link (partial channel) basis when connected to Centrex Type Services<sup>1</sup>, DigiXconn service, *DigiServ Plus service*, DigiServ channel service, and/or another DigiServ service.
  8. All appropriate rates specified in other Price List sections are in addition to the monthly rate per package or single channel for DigiServ service specified in this Price List.

B. Definitions

CHANNEL SERVICE UNIT

The term "Channel Service Unit" (CSU) denotes equipment provided by the Customer to terminate a digital facility on the customer's premises.

**Note 1:** Connection from DigiServ service to Centrex Type Services may not be available from all serving wire centers.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 3  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### B7.1 DigiServ Service (Cont'd)

#### B7.1.2 Regulations (Cont'd)

##### B. Definitions (Cont'd)

###### DS1

This denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate, and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are contained in BellSouth Telecommunications Technical Reference Publication 73525.

###### DIGITAL LOCAL CHANNEL

The term "Digital Local Channel" denotes a path for DigiServ service furnished from the Serving Wire Center to the demarcation point on the customer's premises.

###### INTEROFFICE CHANNEL

The term "Interoffice channel" denotes a path (or paths) for digital transmission between Company Serving Wire Centers within a LATA. An interoffice channel may be furnished in such manner as the Company may elect.

##### C. Application of Rates

1. Digital Local Channels furnished between a Serving Wire Center and the customer's premises will be charged at rates based on the first 1/2 mile and each additional 1/2 mile for the airline distance measured between the customer's premises and their Serving Wire Center.
2. Interoffice Channels furnished between Central Offices will be charged at rates based on airline distance between the Central Offices.
3. DigiServ service is available on a month-to-month basis or under variable rate periods, with rates based on lengths of 36 months, 60 months, or 84 months under conditions specified in the Channel Services Payment Plan in B2.4 of this Price List except as modified following. Contract rate increases are subject to the stipulations of 4. following.
4. DigiServ service rates under contract will not be increased by Company initiative until the contract period expires. Rates in effect at the time the service is installed and/or as of the service order application date will be applicable until the contract expires. At the expiration date of the customer's payment period option, the customer may select a new payment period option at current rates or revert to current rates on a month-to-month basis.
5. A termination charge is applicable at the date of termination. The applicable charge is dependent on the contract period subscribed to and will be equal to the number of months remaining in the contract times fifty percent (50%) of the monthly rate provided under the contract. However, termination charges will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in B2.4.9 preceding, *or for customer requested changes of service under CSPP to Fast Packet Transport Services under the Fast Packet Transport Services Payment Plan subject to the provisions set forth in B2.4.9.A.4.b.*
6. Airline distance between Company Central Offices shall be developed using the methodology found in B3.3.3 of this Price List. Fractional mileage shall be rounded up to the next full mile.

##### D. Connections

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to DigiServ service when such connection is made in accordance with the provision specified in 2., 3., and 4. following.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 4  
Effective: December 31, 2008

## **B7. DIGITAL NETWORK SERVICE**

### **B7.1 DigiServ Service (Cont'd)**

#### **B7.1.2 Regulations (Cont'd)**

##### **D. Connections (Cont'd)**

##### **2. Responsibility of the Company**

- a. The responsibility of the Company shall be limited to the furnishing and maintenance of DigiServ service to a network interface on the customer's premises where provision is made for the connection of local service.
- b. The Company shall not be responsible for installation, operation, or maintenance of any terminal equipment or communications systems provided by a customer. DigiServ service is not represented as adapted for the use of such equipment or system. Where such equipment or system is connected to Company facilities the responsibility of the Company shall be limited to the furnishing of facilities suitable for DigiServ service and to the maintenance and operation in a manner proper for such digital service. The Company shall not be responsible for:
  - the through transmission of signals generated by such equipment or system, or for the quality of, or defects in, such transmission or
  - the reception of signals by such equipment or systems, or
  - damage to terminal equipment or communications systems provided by a customer or authorized user due to testing.
- c. The Company shall not be responsible to the customer if changes in any of the facilities, operations or procedures of the Company utilized in the provision of DigiServ service render any facilities or equipment provided by a customer obsolete, or require modification or alteration of such equipment or system or otherwise affects its use or performance.
- d. The Company undertakes to maintain and repair the facilities which it furnishes. The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company without prior written consent of the Company.

##### **3. Responsibilities of the Customer**

- a. The customer is responsible for installing and testing his premises equipment or facilities to insure that when they are connected to DigiServ service such equipment or facilities are operating properly.
- b. The operating characteristics of the customer premises equipment or facilities shall be such as to not interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by a customer does not: endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or facilities; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice that the equipment provided by a customer is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.
- c. The customer's responsibility shall include cooperative testing with the Company as may be necessary. Where regeneration and/or equalization adjustments or changes may be required to compensate for rearrangements and/or changes in outside plant facilities, the customer will be responsible for all expenses incurred in changes to his premises equipment.

**B7. DIGITAL NETWORK SERVICE****B7.1 DigiServ Service (Cont'd)****B7.1.2 Regulations (Cont'd)****D. Connections (Cont'd)**

## 4. Connection of Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems.

## a. The following provisions will apply:

- (1) Customer-Provided Terminal Equipment and/or Customer-Provided Communications Systems may be connected at the premises of the customer to DigiServ service.
- (2) The *customers*, by use of *their* own derivation equipment, may create digital bit streams from a DigiServ service and such equipment may be connected for transmission of such bit streams when connected thru a customer-provided CSU/TE.
- (3) The undertaking of the Company is to furnish DigiServ service as ordered and specified by the customer as specified in d. following.

## b. Connections to Other Services Furnished by the Company to the Same Customer

DigiServ service furnished by the Company may be connected by the customer to another service or to other services furnished by the Company as specified in 2. preceding. Connected services are subject to all rules and regulations governing the provisioning of those services.

## c. Connections to other services furnished by the Company to different customers

The customer may connect at the premises of the customer, to another DigiServ service or other services furnished by the Company to different customers as specified in 2. preceding. Connected services are subject to all rules and regulations governing provisioning of those services.

## d. Connection of Channel Service Units

A Channel Service Unit (CSU) or appropriate Termination Equipment (TE) must be provided by the customer to connect a Company-provided digital facility. In accordance with Part 68 of the FCC's Rules and Regulations, new grandfathered CSU/TEs may be connected, moved, and reconnected until June 30, 1987. After this date only registered and previously connected grandfathered CSU/TEs may be connected to Company-provided digital facilities.

Grandfathered CSU/TE equipment must comply with the requirements outlined in *BellSouth Services* Technical Reference 73525. This publication is now available from *BellSouth Services Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243*. Registered technical requirements for CSU/TEs are outlined in Part 68 of the FCC's Rules and Regulations. A copy may be obtained from the Federal Communications Commission, Room BB300, Washington, D. C. 20054.

## e. The customer shall be responsible for payment of a service charge, as set forth in Section B2. of this Price List, for visits by the Company to the premises of the customer where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer.

**E. Features**

## 1. Clear Channel Capability

- a. Clear Channel Capability (CCC) is an arrangement that alters a DS1/1.544 Mbps signal with unconstrained information bits, to meet pulse density requirements outlined in Technical Reference 73525. This will allow a customer to transport an all zero octet over a DigiServ service channel providing an available combined maximum 1.536 Mbps data rate. This arrangement requires the customer signal at the channel interface to conform to Bipolar with 8 Zero Substitution (B8ZS) line code as described in Technical Reference 73525.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 6  
Effective: December 31, 2008

## **B7. DIGITAL NETWORK SERVICE**

### **B7.1 DigiServ Service (Cont'd)**

#### **B7.1.2 Regulations (Cont'd)**

- E. Features (Cont'd)**
1. Clear Channel Capability (Cont'd)
    - b. CCC is provided on DigiServ service channels between two customer designated premises from a customer premises to their Serving Wire Center and/or to a remote Serving Wire Center or Node Central Office, and from a central office to a central office, and is subject to the availability of facilities. This optional feature may be ordered at the same time the DigiServ service channel is ordered, or it may be ordered as an additional feature of an existing DigiServ service channel.
    - c. When providing CCC via a DS3/44.736 Mbps High Capacity channel, that DS3 channel must be designated, in Company records, as having Clear Channel Capability prior to the provisioning of a DS1/1.544 Mbps High Capacity channel with CCC. Customers must agree to out-of-service periods required to add this feature to an existing DigiServ service channel to be optioned for B8ZS.
- F. Payment Arrangements and Credit Allowance**
1. The minimum period for which DigiServ service is furnished and for which charges are applicable is one month.
  2. Suspension of service is not allowed.
  3. When DigiServ service is interrupted due to causes other than negligence of the customer, or to the failure of facilities or equipment furnished by the customer, a credit allowance will be made upon request for the portion of service affected. For the purpose of determining the amount of allowance, every month is considered to have 30 days. All credit allowances shall begin from the time of notice by the customer to the Company, and will end when the service is operative. No credit is allowed for interruption to service of less than 30 minutes. Interruptions of 30 minutes or more are credited to the customer at the proportionate monthly rate in half-hour multiples for each half-hour, or major fraction thereof, of interruption. A customer must report the outage in order to receive service outage credit. The total credit received in any month shall not exceed the monthly rate for the service.

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 7  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.1 DigiServ Service (Cont'd)**

**B7.1.3 Rates and Charges**

A. A Digital Local Channel is furnished between a Serving Wire Center and the customer's premises. Rates are based on the airline distance between the Serving Wire Center and the customer's premises.

1. Digital Local Channel, each <sup>1</sup>

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) First 1/2 mile	\$314.5	\$95.5	\$94.85	\$94.85	\$94.85	1LDPZ
(b) Each additional 1/2 mile, or fraction thereof	-	42.30	41.60	40.65	39.70	1LDPA

B. Interoffice Channels are furnished between central offices. Rates are based on the airline distance between central offices.<sup>1,3</sup>

1. Interoffice Channel, each channel 0-8 miles<sup>2</sup>

(a) Fixed monthly rate	121.00	65.35	64.85	64.85	64.85	1LN01
(b) Each airline mile, or fraction thereof	-	26.15	25.10	24.20	24.15	1LN0A

2. Interoffice Channel, each channel 9-25 miles<sup>2</sup>

(a) Fixed monthly rate	121.00	65.35	64.85	64.85	64.85	1LN02
(b) Each airline mile, or fraction thereof	-	26.15	24.15	23.65	23.15	1LN0B

3. Interoffice Channel, each channel over 25 miles<sup>2</sup>

(a) Fixed monthly rate	121.00	65.35	64.85	64.85	64.85	1LN03
(b) Each airline mile, or fraction thereof	-	26.15	23.15	22.70	22.20	1LN0C

C. Clear Channel Capability is furnished on a per DigiServ service channel basis.

1. DigiServ service channel optioned as:

	Monthly Rate	Nonrecurring Charge		USOC
		Initial	Subsequent	
(a) Superframe Format (SF)	\$-	\$-	\$615.00	CCOSF
(b) Extended Superframe Format (ESF)	-	-	615.00	CCOEF

D. Move Charge

A move charge, per DigiServ service channel, applies for each Digital Local Channel moved to a new location in the same building. This move charge is equal to the sum of the Digital Local Channel Nonrecurring Charge, Service Change Charge - Inside Moves, and Premises Visit Charge.

A move charge, per DigiServ service channel under CSPP, applies for each DigiServ service moved to a new location in Company territory within the same state. This move charge is equal to the sum of all nonrecurring charges applicable to a new DigiServ service channel installation at the new location.

**Note 1:** Contract lengths are flexible to allow customer choice of payment period per B2.4.9.

**Note 2:** DigiServ Plus service, specified in B7.9 of this Price List, references rates and charges for this element.

**Note 3:** Refer to B3.1.3 of this Price List for mileage measurement methodology.

**B7. DIGITAL NETWORK SERVICE**

**B7.1 DigiServ Service (Cont'd)**

**B7.1.3 Rates and Charges (Cont'd)**

**E. Service Connection Charges**

1. Service Establishment Charges are applicable, for each DigiServ service channel<sup>1</sup> ordered, for receiving and recording information and/or taking action in connection with a customer's request, and processing the necessary data. These charges include engineering design, common centralized testing and coordination.
2. Service Change Charges are applicable for receiving and recording information and/or taking action in connection with a customer's Inside Move or transfer of service responsibility request, for processing the necessary data on an existing DigiServ service channel.<sup>1</sup> A Service Change Charge is applicable for each DigiServ service channel<sup>1</sup> associated with the customer request (in lieu of a Service Establishment Charge).
3. Premises Visit Charges are applicable, per Digital Local Channel, for the termination of a channel at a customer's premises or for inside moves. Only one Premises Visit Charge applies when more than one channel service of the same type is terminated or moved at the same premises at the same time.
4. Connection charges are applicable for the connection and testing of Digital Local Channels and/or Interoffice Channels. The charges applied are those nonrecurring charges contained in A. and B. preceding.
5. Charges for DigiServ Service
  - a. Service Establishment Charge
    - (1) Per DigiServ Service Channel<sup>1</sup>

	<b>Nonrecurring Charge</b>	<b>USOC</b>
(a) Each <sup>2</sup>	<b>\$556.50</b>	<b>MGLSE</b>
b. Service Change Charge		
(1) Per DigiServ Service Channel <sup>1</sup>		
(a) For Inside Moves, each <sup>2</sup>	<b>338.75</b>	<b>MGL1M</b>
(b) Per Transfers of Responsibility, each <sup>2</sup>	<b>50.00</b>	<b>MGLTR</b>
c. Premises Visit Charge		
(1) Per Digital Local Channel or for an Inside Move <sup>3</sup>		
(a) Per Visit <sup>2</sup>	<b>38.75</b>	<b>MGLPV</b>

**Note 1:** Refer to B7.1.2.A.7. of this Price List for description of DigiServ service channels.

**Note 2:** DigiServ ISDN service, specified in B7.5 of this Price List references rates and charges for this rate element.

**Note 3:** This charge is applicable to additional stations subsequently installed in a building.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 9  
Effective: December 31, 2008

## **B7. DIGITAL NETWORK SERVICE**

### **B7.2 DDS Service**

#### **B7.2.1 General**

- A. DDS service is furnished for IntraLATA interexchange Communications by the Company.
- B. The service is provided for the transmission of digital signals only and is furnished only via digital transmission facilities.
- C. DDS service provides for the simultaneous two-way transmission of synchronous digital signals at speeds of 2.4, 4.8, 9.6 19.2, 56.0 and 64.0 Kbps between customer locations where appropriate digital facilities for this service are available as determined by the Company.
- D. Multipoint Service, Secondary Channel capability *and/or Data Over Voice Channel optional features* may not be available in all DDS service locations.
- E. To ensure satisfactory operation, the terminal equipment provided by the customer must be compatible with the channel facility provided by the Company.
- F. Unless specified following, the regulations for DDS service specified herein apply in addition to the regulations set forth in Section B2. preceding.

**B7. DIGITAL NETWORK SERVICE****B7.2 DDS Service (Cont'd)****B7.2.1 General (Cont'd)**

- G. The rates specified for DDS service are in B7.2.3 following. The Company will provide a digital facility over existing interoffice carrier equipment and/or transmission facilities compatible with DDS service.
- H. DDS service is available on a month-to-month basis or under contract plans as described in B7.2.2.G. following.

**B7.2.2 Regulations****A. Description of Service**

1. Service is furnished for the simultaneous two-way transmission of digital signals at synchronous rates of 2.4, 4.8, 9.6, 19.2, 56.0 and 64.0 Kbps between two or more points located within a LATA.
2. Service is furnished for duplex operation only. This service may also be furnished on a link (partial channel) basis<sup>1</sup> when connected to DigiXconn service, DigiServ channel service, *and/or DigiRing service.*
3. A minimum initial service period of three months is required.
4. The design, maintenance and operation of DDS service contemplates communications originating or terminating at stations of the customer or user. While connections to communications systems provided by others may be made on a permissive basis as provided for in Section B2, the Company does not represent this service as adapted for such connections, and shall not be responsible for the through transmission of signals, or the quality of such transmission on such connections.
5. A Channel Service Unit provided by the customer is required at a customer's or authorized user's premises to perform such functions as:
  - proper termination of the service
  - amplification
  - signal shaping
  - remote loop-back
6. Data Over Voice Channel is an optional feature which uses data/voice multiplexing technology to provide simultaneous transmission of data and voice over a compatible two-wire local exchange line (e.g., business exchange line). This feature provides synchronous full-duplex digital data transmission at 9.6 Kbps, and the customer's data may be synchronous or asynchronous, depending on his requirements. The Data Over Voice Channel option may be used in lieu of a 9.6 Kbps DDS service Digital Local Channel and is fully compatible with DDS service. Customer-provided data/voice multiplexing equipment is required as specified in D.5. following.

**B. Definitions****CHANNEL SERVICE UNIT**

The term "Channel Service Unit" (CSU) denotes equipment provided by the customer to terminate a digital facility on the customer's, user's or Other Common Carrier's premises.

**Note 1:** This also applies when the Data Over Voice Channel option is used.

## **B7. DIGITAL NETWORK SERVICE**

### **B7.2 DDS Service (Cont'd)**

#### **B7.2.2 Regulations (Cont'd)**

##### **B. Definitions (Cont'd)**

###### **DATA OVER VOICE CHANNEL**

The term "Data Over Voice Channel" denotes a digital data channel, derived from a two-wire local exchange line, that transmits voice and data signals simultaneously. A Data Over Voice Channel provides synchronous full-duplex transmission at the speed of 9.6 Kbps over an end user's existing local exchange facility. The Data Over Voice Channel option may be used in lieu of a Digital Local Channel and is fully compatible with DDS service.

###### **DIGITAL INTEROFFICE CHANNEL**

The term "Digital Interoffice Channel" denotes a path (or paths) for digital transmission between Serving Wire Centers and Node Central Offices or between Node Central Offices, within a LATA. An interoffice channel may be furnished in such manner as the Company may elect.

###### **DIGITAL LOCAL CHANNEL**

The term "Digital Local Channel" denotes a path for DDS service furnished from the Serving Wire Center to the demarcation point on the customer's premises.

###### **MULTIPOINT SERVICE**

The term "Multipoint Service" denotes a service which provides communications capability between more than two points by means of a bridging or hubbing arrangement. For the provision of DDS service, the bridging or hubbing arrangement shall be located at the same Node Central Office.

###### **NODE CENTRAL OFFICE**

The term "Node Central Office" denotes that physical location the Company has designated as a test, maintenance and monitoring center to service one or more Serving Wire Centers. There may be more than one Node Central Office within a LATA.

###### **POINT**

A point is a location on the customer's premises at which a Digital Local Channel is terminated. Each DDS service point requires service from a Node Central Office.

###### **SECONDARY CHANNEL CAPABILITY**

The term "Secondary Channel Capability" denotes the offering of a companion digital transmission capability over the same physical facility as the primary channel at a lower bit rate. Terminal equipment required to support secondary channel capability must be provided by the customer.

**B7. DIGITAL NETWORK SERVICE****B7.2 DDS Service (Cont'd)****B7.2.2 Regulations (Cont'd)****B.** Definitions (Cont'd)

## SERVING WIRE CENTER

The term "Serving Wire Center" denotes the local telephone central office assigned to subscribers in a well defined area. A Serving Wire Center may be further designated by the Company as a Node Central Office.

**C.** Method of Applying Rates

1. A Digital Local Channel is furnished between a Serving Wire Center and the demarcation point on the customer's premises.
2. Node **Channel** Terminations are applied to each termination within the Node Central Office. A charge is applicable for each Local Channel or equivalent.
3. A Digital Interoffice Channel will be required when a Digital Local Channel originates from a Serving Wire Center that is not a Node Central Office. The rate is based on airline mileage, or fraction thereof, between the Serving Wire Center and the Node Central Office.
4. Airline distance between Company central offices shall be developed using methodology and Vertical (V) and Horizontal (H) coordinates contained in the National Exchange Carrier Association (NECA) Price List FCC No. 4. Fractional miles are to be rounded up to the next full mile.
5. A Data Over Voice Channel at 9.6 Kbps transmission is available as an optional feature and may be used in lieu of a 9.6 Kbps DDS service Digital Local Channel. The customer must also subscribe to a compatible two-wire local exchange line (e.g., business exchange line). The two-wire exchange line and its associated rates and charges are in addition to the Data Over Voice Channel rates and charges. Node Channel Termination charges apply per Data Over Voice Channel. Interoffice channel mileage charges apply between the customer's serving wire center and the node central office if the customer's serving wire center is not a node office. Customer-provided data/voice multiplexing equipment is required as specified in D.5. following.

A Data Over Voice Channel may be used in a two-station arrangement and a multipoint arrangement.

**D.** Connections

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to DDS service when such a connection is made in accordance with the provision specified in 2. and 3. following.
2. The responsibility of the Company shall be limited to the furnishing and maintenance of service to a network interface on the customer's or user's premises where provision is made for the connection of local service. If the customer requires a different location in the same building, it can be provided under B7.2.5.B.1. of this Price List. Customers or users are responsible for installing and testing their premises equipment or facilities to insure that when they are connected with the DDS service such equipment or facilities are operating properly.
3. The customer responsibility shall include cooperative testing with the Company as may be necessary. Where regeneration and/or equalization adjustments or changes may be required to compensate for rearrangements and/or changes in outside plant facilities, customers or users will be responsible for all expenses incurred in changes to their premises equipment.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 13  
Effective: December 31, 2008

## **B7. DIGITAL NETWORK SERVICE**

### **B7.2 DDS Service (Cont'd)**

#### **B7.2.2 Regulations (Cont'd)**

##### **D. Connections (Cont'd)**

4. The customer shall be responsible for payment of a service charge, as set forth in Section B2. of this Price List, for visits by the Company to the premises of the customer or user where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer.
5. The Data Over Voice Channel optional feature requires customer-provided terminal equipment for data/voice multiplexing. Customer-provided terminal equipment for the Data Over Voice Channel must be compatible with the Company-provided terminating equipment at the central office. The Data Over Voice network interface specifications are contained in BellSouth Technical Reference Publication 73548. This publication is available from the Information Exchange Manager, BellSouth Telecommunications, Inc., Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243.



**B7. DIGITAL NETWORK SERVICE****B7.2 DDS Service (Cont'd)****B7.2.2 Regulations (Cont'd)****D. Connections (Cont'd)**

6. Connection of Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems.

a. The following provisions will apply:

- (1) Customer-Provided Terminal Equipment, Customer-Provided Communications Systems may be connected at the premises of the customer, or user to DDS service.
- (2) Customer or users, by use of their own derivation equipment, may create digital bit streams from DDS service. Such equipment may be connected for transmission of such bit streams when connected through a customer-provided CSU.

b. Connections to Other Services Furnished by the Company to the Same Customer

DDS service as furnished by the Company may be connected to another service or to other services furnished by the Company as specified following:

- (1) At the premises of the customer or user to Series 2000 analog data channels furnished under the rates and regulations in this Price List.

c. Connections to other services furnished by the Company to different customers

DDS service as furnished by the Company to a customer may be connected at the premises of the customer or user to other services furnished by the Company to different customers as specified in D.2. preceding.

d. Connection of Channel Service Units

A Channel Service Unit (CSU) must be provided by the customer to connect a Company-provided digital facility. In accordance with Part 68 of the FCC's Rules and Regulations, new grandfathered CSUs may be connected, moved, and reconnected until June 30, 1987. After this date only registered and previously connected grandfathered CSUs may be connected to Company-provided digital facilities.

Grandfathered CSU equipment must comply with the requirements outlined in the Bell System Technical Reference Publication 62310, dated September, 1983. This publication is now available from Publishers' Data Center, Inc., P.O. Box C738, Pratt Street Station, Brooklyn, New York 11205. Registered technical requirements for CSUs are outlined in Part 68 of the FCC's Rules and Regulations. A copy may be obtained from the Federal Communications Commission, Room BB300, Washington, D. C. 20054.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 15  
Effective: December 31, 2008

## **B7. DIGITAL NETWORK SERVICE**

### **B7.2 DDS Service (Cont'd)**

#### **B7.2.2 Regulations (Cont'd)**

##### **D. Connections (Cont'd)**

###### **6. (Cont'd)**

###### **e. Responsibility of the Company**

- (1) The Company shall not be responsible for installation operation or maintenance of any terminal equipment or communications systems provided by a customer or user. DDS service is not represented as adapted to the use of such equipment or system. Where such equipment or system is connected to Company facilities the responsibility of the Company shall be limited to the furnishing of facilities suitable for DDS service and to the maintenance and operation in a manner proper for such digital service. The Company shall not be responsible for:
  - the through transmission of signals generated by such equipment or system, or for the quality of, or defects in such transmission or
  - the reception of signals by such equipment or systems, or
  - damage to terminal equipment or communications systems provided by a customer or authorized user due to testing.

**B7. DIGITAL NETWORK SERVICE****B7.2 DDS Service (Cont'd)****B7.2.2 Regulations (Cont'd)****D. Connections (Cont'd)**

## 6. (Cont'd)

## e. Responsibility of the Company (Cont'd)

- (2) The Company shall not be responsible to the customer or user if changes in any of the facilities, operations or procedures of the Company utilized in the provision of DDS service render any facilities or equipment provided by a customer or user obsolete, or require modification or alteration of such equipment or system, or otherwise affects its use or performance.
- (3) The Company undertakes to maintain and repair the facilities which it furnishes. The customer or user may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company without prior written consent of the Company.
- (4) The Company has set a design objective of 99.5 percent error free seconds of operation at all speeds with DDS service. ***This design objective does not apply when the Data Over Voice Channel is used in lieu of a Digital Local Channel.***
- (5) The Data Over Voice Channel is provided subject to the availability of the appropriate network facilities and equipment and subject to the transmission limitations of facilities and equipment used by the Company.

**E. Payment Arrangements and Credit Allowance**

1. The minimum period for which month-to-month service is furnished and for which charges are applicable is three months.
2. Suspension of service is not allowed.
3. When service is interrupted due to causes other than the negligence of the customer or user, or the failure of facilities furnished by the customer or user, a credit allowance will be made upon request for the portion of the service which is affected. For the purpose of determining the amount of allowance every month is considered to have thirty days and only those stations on the interrupted portions of a service shall be considered in determining the number of stations affected. All such credit allowances shall begin from the time of notice by the customer or user to the Company that an unsatisfactory performance level has occurred, provided that the customer or user promptly releases the service as requested by the Company to perform testing and maintenance.
  - a. Interruptions of less than three hours - no credit is applied.<sup>1</sup>
  - b. Interruptions of three hours or over are credited to the customer at the proportionate monthly charge in half-hour multiples for each half-hour or major fraction thereof of interruption.
  - c. Interruption for a period of twenty-four hours or more, credit is allowed for the proportionate part of the monthly charge in multiples of one day for each twenty-four hours or major fraction thereof of interruption for the portion of the service affected by the interruption.

**Note 1:** Two or more interruptions of thirty minutes or more, during any period up to, but not including three hours, shall be considered as one interruption.

**B7. DIGITAL NETWORK SERVICE****B7.2 DDS Service (Cont'd)****B7.2.2 Regulations (Cont'd)****F. Contract Plans**

1. The contract plans are available under conditions specified in the Channel Services Payment Plan in B2.4 of this Price List except as follows.
  - a. DDS service is offered under contract plan periods described in (1) and (2) following.
    - (1) Twenty-four to forty-two month Contract Plan - payment periods may be selected from twenty-four to forty-two months.
    - (2) Forty-three to seventy-two month Contract Plan - payment periods may be selected from forty-three to seventy-two months.
  - b. DDS service rates under contract plans will not be changed by Company initiative until the contract period expires. Rates in effect at the time the service is installed and/or when the Company is notified in writing of the subscriber's choice of payment period options, will be applicable until the contract plan expires *except as specified in B2.4.9.A.7.a. preceding*. At the expiration date of the customer's payment period option, the customer may select a new payment period option at the current rates or revert to current rates on a month-to-month basis.
  - c. A termination charge is applicable at the date of termination if the customer terminates or disconnects the service prior to fulfilling the period of the contract plan *except as specified in (2) following*. However, *termination charges will not apply* for customer requests for moves of service under CSPP subject to the provisions set forth in *B2.4.9 preceding*. The termination charge is fifty percent of the following: the contracted monthly rate times the number of months in the contract plan, less the contracted monthly rate times the number of months the service has been installed. An example is provided in (1) following.
    - (1) A customer subscribes to DDS service using the twenty-four to forty-two month payment plan. The actual duration of the contract plan is for thirty months. The subscriber terminates the service after twelve months. The total charge is thirty months times the monthly rate. The amount is then reduced to reflect the number of months the subscriber has had the service, which in this example is twelve months. Therefore, the termination liability is calculated as follows:  
Termination Charge = .50x[(30 months x monthly rate) - (12 months x monthly rate)]
    - (2) A termination charge will not be applicable at the date of termination if the customer terminates or disconnects the service prior to fulfilling the period of the contract plan for customer requested changes to a higher order of service covered by the Channel Services Payment Plan as specified in B2.4.9.A.4.b. or customer requested changes to services not covered by the Channel Services Plan that are offered by the Company under a contract payment plan provided that the applicable conditions set forth in B2.4.9.A.4.b. are satisfied.
2. (DELETED)

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 18  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.2 DDS Service (Cont'd)**

**B7.2.3 Rates and Charges**

**A. Service wholly within the same LATA.**

1. A Digital Local Channel is furnished between a Serving Wire Center and the customer's premises. The Digital Local Channel *charges apply* per local channel.

	Nonrecurring Charge		Month	24 to	43 to	USOC
	First	Add'l	to	42	72	
	Month	Months	Month	Months	Months	
(a) 2.4 Kbps	\$365.00	\$120.00	\$48.00	\$45.00	\$40.00	1RSD2
(b) 4.8 Kbps	365.00	120.00	48.00	45.00	40.00	1RSD4
(c) 9.6 Kbps	365.00	120.00	48.00	45.00	40.00	1RSD9
(d) 19.2 Kbps	365.00	120.00	48.00	45.00	40.00	1RSD3
(e) 56.0 Kbps	365.00	120.00	64.00	60.00	55.00	1RSD5
(f) 64.0 Kbps	365.00	120.00	64.00	60.00	55.00	1RSD6

2. (Reserved for future use)

3. A Node Channel Termination is required at the Company's Node Central Office. Node Channel Termination per local channel *or equivalent*, each

(a) 2.4 Kbps	48.00	37.00	10.00	9.00	8.00	2UN24
(b) 4.8 Kbps	48.00	37.00	10.00	9.00	8.00	2UN48
(c) 9.6 Kbps	48.00	37.00	10.00	9.00	8.00	2UN96
(d) 19.2 Kbps	48.00	37.00	10.00	9.00	8.00	2UN19
(e) 56.0 Kbps	48.00	37.00	20.00	18.00	16.00	2UN56
(f) 64.0 Kbps	48.00	37.00	20.00	18.00	16.00	2UN64

4. A Digital Interoffice Channel is furnished between a serving wire center and the Node Central Office. A *flat rate and a rate per mile apply for* each Digital Interoffice Channel *provided*.<sup>1</sup>

a. Interoffice channel

- (1) Fixed rates applicable

	Nonrecurring Charge	Month	24 to	43 to	USOC
		to	42	72	
	Month	Month	Months	Months	
(a) 2.4, 4.8, 9.6 <i>and</i> 19.2 Kbps	\$99.00	\$20.00	\$18.00	\$16.00	3LBSF
(b) 56.0 <i>and</i> 64.0 Kbps	99.00	30.00	28.00	25.00	3LBSF

**Note 1:** Refer to the *National Exchange Carrier Association (NECA) Price List F.C.C. No. 4* for mileage measurement methodology and wire center Vertical (V) and Horizontal (H) coordinates.

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 19  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.2 DDS Service (Cont'd)**

**B7.2.3 Rates and Charges (Cont'd)**

- A. Service wholly within the same LATA. (Cont'd)
  - 4. (Cont'd)<sup>1</sup>
    - a. Interoffice channel (Cont'd)
      - (2) Each mile or fraction thereof

	<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>24 to 42 Months</b>	<b>43 to 72 Months</b>	<b>USOC</b>
(a) 2.4, 4.8, 9.6 and 19.2 Kbps	\$-	\$1.45	\$1.25	\$1.00	3LBSM
(b) 56.0 and 64.0 Kbps	-	2.90	2.50	2.00	3LBSM
<b>B. Optional Features and Functions</b>					
1. Multipoint Service, per local or interoffice channel bridged <sup>2,3</sup>					
(a) 2.4, 4.8, 9.6 and 19.2 Kbps	22.00	15.00	12.00	10.00	6BN
(b) 56.0 Kbps	22.00	15.00	12.00	10.00	6BN
2. Secondary Channel Capability, per local channel					
(a) Each <sup>2,3,4</sup>	160.00	10.00	7.50	5.00	SFS
3. Data Over Voice Channel, per local channel <sup>2,5</sup>					
(a) 9.6 Kbps	540.00	33.00	30.00	28.00	DDVJE

**Note 1:** Refer to the National Exchange Carrier Association (NECA) Price List F.C.C. No. 4 for mileage measurement methodology and wire center Vertical (V) and Horizontal (H) coordinates.

**Note 2:** Not available at all service locations.

**Note 3:** This option is not available with 64.0 Kbps.

**Note 4:** Nonrecurring charge is applicable only if Secondary Channel service is being added subsequent to the installation of basic service.

**Note 5:** This option, in addition to a compatible two-wire local exchange line, may be used in lieu of a 9.6 Kbps Digital Local Channel in B7.2.3.A. preceding. All other DDS service rate elements apply as appropriate.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 20  
Effective: December 31, 2008

## **B7. DIGITAL NETWORK SERVICE**

### **B7.2 DDS Service (Cont'd)**

#### **B7.2.3 Rates and Charges (Cont'd)**

C. Reserved for Future Use

## B7. DIGITAL NETWORK SERVICE

### B7.2 DDS Service (Cont'd)

#### B7.2.4 Types of Rates and Charges

- A. The two types of rates and charges are monthly rates and nonrecurring charges and are described as follows:
1. Monthly Rates  
Monthly rates are recurring charges that apply each month or fraction thereof that a service is provided. For billing purposes, each month is considered to have thirty days.
  2. Nonrecurring Charges  
Nonrecurring Charges are one-time charges that apply for a specific work activity. The three types of nonrecurring charges that apply are installation of service, installation of features and functions and service rearrangements.
    - a. Installation of Service  
Nonrecurring charges apply for each service terminated at the customer's premises. For the installation of local channels when more than one of the same type of service, between the same premises locations, for the same customer is ordered and installed at the same time, one at each location is billed at the First Service Installed rate and the others are billed at the Additional Service Installed rate.  
The nonrecurring charges for the Installation of Services are set forth in B7.2.3.A. preceding.  
Rates and charges for Network Interface Equipment are set forth in Section A14. of the General Subscriber Service Price List.
    - b. Nonrecurring charges apply for the installation of features and functions available with the various services. For some features and functions there is a lower charge if installed coincident with the service and a higher charge if installed subsequent to the service. Nonrecurring charges for Optional Features and Functions are set forth in B7.2.3.C. preceding.
    - c. Service Rearrangements
      - (1) Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in B7.2.5.



**B7. DIGITAL NETWORK SERVICE****B7.2 DDS Service (Cont'd)****B7.2.4 Types of Rates and Charges (Cont'd)****A.** (Cont'd)

## 2. Nonrecurring Charges (Cont'd)

## c. Service Rearrangements (Cont'd)

## (1) (Cont'd)

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Private Line Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes name),
- Change of customer or customer's premises address when the change of address is not a result of a physical relocation of equipment.
- Change in billing data (name, address or contact name or telephone number).
- Change of jurisdiction, e.g., intraLATA to intrastate, intrastate to interstate, etc. No Termination Liability Charges apply for service billed under the Channel Services Payment Plan (CSPP) if the customer subscribes to a payment arrangement offered in the appropriate Price List which is a minimum twenty-four month service period or equals/exceeds the remaining contract period, whichever is greater.

## (2) All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the local channel rate element(s) *being added* will apply. *Nonrecurring charges for interoffice channel mileage may also apply.*
- If the change involves the addition of other customer designated premises to an existing two-point service, resulting in a multipoint circuit configuration, the nonrecurring charge for the local channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply.
- If the change involves the disconnection of a customer designated premises from an existing multipoint circuit resulting in a two-point circuit configuration, no charge will apply.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- Customer required changes of data transmission rates for a DDS service, subsequent to initial installation and where no premises visit is required, will not be treated as a change of service. One-half of the *standard Price List* nonrecurring charges as outlined under B7.2.3.A. and *B.* will be applicable for these data transmission rates.
- For *rearrangements and* all other *activities* involving physical changes to the service provided or the addition of optional features without separate nonrecurring charges, a charge equal to a local channel rate element nonrecurring charge will apply. Only one such charge will apply per service order, per change.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 23  
Effective: December 31, 2008

## **B7. DIGITAL NETWORK SERVICE**

### **B7.2 DDS Service (Cont'd)**

#### **B7.2.4 Types of Rates and Charges (Cont'd)**

**A.** (Cont'd)

2. Nonrecurring Charges (Cont'd)

c. Service Rearrangements (Cont'd)

(2) All other service rearrangements will be charged for as follows: (Cont'd)

- For a change of customer of record, where no specific transfer of service charge is stated, and for all other activities involving no physical changes, the following charges will apply: (1) If the request is for multiple circuits of the same type or speed, a charge equal to one "First" Local Channel nonrecurring charge applies, (2) If the request is for only one circuit, a charge equal to one "Additional" Local Channel nonrecurring charge applies, (3) If the request is for multiple circuits of different types or speeds, charges will be applicable for each type of circuit according to the same guidelines in (1) and (2) preceding.

#### **B7.2.5 Moves**

**A.** A move involves a change in the physical location of one of the following:

1. The point of interface at the customer premises.
2. The customer's premises.

**B7. DIGITAL NETWORK SERVICE****B7.2 DDS Service<sup>1</sup> (Cont'd)****B7.2.5 Moves (Cont'd)**

- B.** The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.
1. Moves Within the Same Building  
When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the nonrecurring (i.e., installation) charge for the affected service termination at the customer's premises. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the basic service.
  2. To a Different Building  
Moves to a different building, other than addressed in 3. following, will be treated as a discontinuance and a start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established at the new location except as provided for in B7.2.2.F. for service under CSPP. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.
  3. Moves of Service(s) under CSPP  
Customer requests for moves of service under CSPP, other than inside moves, will be subject to the conditions stated in B2.4.9.A.11. preceding.

**B7.3 DigiServ Channel Service****B7.3.1 General**

- A.** DigiServ channel service is an intraLATA interexchange digital service which provides channelization capability for the customer in the Company's central office. DigiServ channel service is provided in packages based on multiple voice grade channel equivalents (DS0) where twenty-four voice grade channels are equal to a DS1. This service provides local channels and/or interoffice channels for network exchange access, Foreign Exchange Service, *Centrex Type Services main* station lines, off-premises stations, tie lines, WATS lines, analog data channels, Broadband Exchange Lines and digital data services (at 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56.0 Kbps, 64.0 Kbps and 1.544 Mbps data rates).
- B.** Channelization is provided by D type channel banks which are offered in various basic system capacities and feature activation types. Individual channel services are made available by selecting the specific feature activation equipment desired in a basic system. The customer may channelize all or part of a DigiServ channel service package to activate voice and data facilities for interconnection with the exchange network, voice grade and data facilities for private line channels, as well as other DigiServ channel services. The customer may also choose not to channelize all or part of a DigiServ channel service package allowing direct connection to other DS1 services as provided in this Price List or the General Subscriber Service Price List (GSST). The customer may also choose not to channelize all or part of a DigiServ channel service package to allow for direct connection in the Company's central offices to DigiXconn service and *Centrex Type Services* tie line applications. Direct integration of this service in the Company's central offices is not permitted for the provisioning of individual business line, PBX trunk or *Centrex Type Services* main station line applications.
- C.** This service is available within a LATA where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction charges for DigiServ service will apply as specified in B7.1 preceding.
- D.** Individual channels within a DigiServ channel service package may be connected with service offered in other sections of this Price List and General Subscriber Service Price List as appropriate. The regulations, rates and charges in this Price List are applicable for the DigiServ channel service component of the customer's end-to-end service. Single channel service components (non-DigiServ channel service links) are subject to the regulations, rates and charges in their respective Price List sections.

**B7. DIGITAL NETWORK SERVICE****B7.3 DigiServ Channel Service (Cont'd)****B7.3.1 General (Cont'd)**

- E.** The customer may activate any number or combination of channels within a DigiServ channel service package within the limitations set forth in **F.** following. Channels may be activated coincident with initial service or at any time subsequent to basic system installation. Once activated, a channel is subject to a minimum service period in accordance with the contract terms. Features (channels) activated under month-to-month rates will have a minimum service period of one month.
- F.** The total number of voice grade equivalent channels activated by the customer may not exceed the capacity of the basic system. Additionally, there are some necessary restrictions in total system capacities where certain types of channel services are channelized. For example, some channelizing equipment for DDS service channels may require two voice grade equivalent channels per channel provided by the Company. This would reduce a system's stated capacity substantially. The Company will notify the customer when a system's capacity is affected.
- G.** Central Office channelization generally provides analog to digital conversion to permit individual exchange services and private line channel services to be transported over digital high capacity facilities. In addition, this equipment permits connection to required testing facilities at designated hub or node locations for some digital offerings, such as DDS service. This channelization is also intended for use at Company locations where different high capacity digital network links terminate in the same central office and must be converted to individual analog or digital channels before individual service links can be cross-connected. System capacities below are provided in groups of twenty-four voice grade equivalent channels, and are subject to the limits as set forth in **F.** preceding.
- H.** Channelization on a customer's premises must be provided by the customer. Customer Premises channelization equipment, and any other associated network termination equipment, is available through various vendors, including Company, on a dePrice Listed basis. Joint provisioning of channelized services introduces joint responsibilities between the customer and the Company.
  - 1. Responsibilities of the Company:
    - a. The Company will endeavor to activate its portion of joint service in a timely manner on the negotiated date to support installation requirements.
    - b. The Company will provide the customer with information regarding the type and the manufacturer of Central Office (C.O.) channelization equipment to be used in each application.
    - c. The Company will limit its selection of central office equipment to avoid operational and administrative difficulties associated with a multi-vendor central office environment.
    - d. The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.
    - e. The Company will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes, and schedule cooperative testing for cutover if required.

**B7. DIGITAL NETWORK SERVICE****B7.3 DigiServ Channel Service (Cont'd)****B7.3.1 General (Cont'd)****H.** (Cont'd)

1. Responsibilities of the Company: (Cont'd)
  - f. Digital synchronization timing for DigiServ channel service will be provided by the Company.
2. Responsibilities of the Customer:
  - a. The customer must be prepared to activate his portion of joint service in a timely manner on the negotiated date, providing testing equipment and personnel to support installation requirements, as may be necessary.
  - b. The customer will be responsible for selecting his own equipment. Customer equipment must be compatible with the Company provided channelization at the central office.
3. Trouble resolutions:  
The Company will assist the customer in resolving any installation or day to day channel service problems. However, the Company does not assume responsibility for the compatibility or suitability of the customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in Maintenance of Service Charges to the customer.

- I.** The technical specifications and standard network interfaces for DigiServ service and associated channelized services are contained in BellSouth Services Technical Reference #73525. This publication is available from BellSouth Services, Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. Channelized DigiServ service is available only with D4 channel bank equipment or compatible, equivalent equipment.
- J.** Emerging technology, such as low bit rate voice multiplexing techniques, may permit additional quantities of individual channels to be channelized on a single 1.544 Mbps signal. Equipment providing this capability does not generally assure compatibility between different manufacturers. Some equipment may not be suitable for data transmission or tandem network line application. Rates, charges, and availability of this equipment will be negotiated with the customer on an individual case basis and subject to the approval of the appropriate regulatory authority.

**B7.3.2 Application of Rates**

- A.** Monthly rates as specified in B7.3.4 following apply for each DigiServ channel service according to the system capacity of voice grade equivalent channels in each package. These rates apply regardless of the number of voice grade circuit equivalents within each package that are actually activated by the customer at a point in time. In addition, rates and charges for associated DigiServ service channels in B7.1 of this Price List are applicable.
- B.** Exchange Network Access is provided for channels within each DigiServ channel service package at the rates and charges specified in B7.3.4 following and apply for each channel within a package that is activated for Exchange Network Access. In addition, all applicable regulations, rates, and charges specified in A3.11 of the General Subscriber Service Price List will apply.
- C.** Rates and charges specified in other Price List sections for services such as Touch-Tone, Custom Calling Service, etc., are in addition to the monthly rate for DigiServ channel services. Also, the rates and charges for other services that may be interconnected or extended beyond the basic DigiServ channel service, such as off-premises stations, tie lines, private lines, etc., are in addition to the rates specified in this Price List for those portions of channel services necessary to provide end-to-end service. Rates and charges for single DigiServ service channels used to connect DigiServ channel services when used as part of the same communications system will be as specified in B7.1 preceding.
- D.** All usual and applicable Service Connection Charges and/or Nonrecurring Charges as specified in other Price Lists apply to the activation, move or change of channel equivalents within DigiServ channel service packages as well as for installation of the basic system. Suspension of service is not permitted with DigiServ channel service.

**B7. DIGITAL NETWORK SERVICE****B7.3 DigiServ Channel Service (Cont'd)****B7.3.2 Application of Rates (Cont'd)**

- E.** DigiServ channel service systems *and feature activations* are available *on a month-to-month basis or* under variable rate periods with rates based on lengths of 36 months, 60 months, or 84 months under conditions specified in B2.4 except as modified following. Contract rate increases are subject to the stipulations of F. following. All elements of a contract will expire at the same time (be coterminous).
1. Individual exchange network access and private line channel services that are connected to DigiServ channel service are not offered under DigiServ channel service master contract rate stability provisions. They are subject to their standard Price List provisions as appropriate.
- F.** DigiServ channel service rates under contract will not be increased by Company initiative until the contract period expires. Those monthly rates for Basic System Capacity and Feature Activation in effect at the time the service is installed and/or as of the service order application date, will be applicable until the contract expires. At the expiration date of the customer's payment period option, the customer may select a new payment period option at current rates or revert to current rates on a month-to-month basis.
- G.** A termination charge is applicable at the date of termination. The applicable charge is dependent on the contract period subscribed to and will be equal to fifty percent of the following: the number of months remaining in the contract period times the monthly rate for the Basic System Capacity and Feature Activation which are provided under contract. This is subject to the following exemptions.
1. No termination charge will be applicable for the Basic System capacity when the customer renegotiates a new contract for the same equipment or larger system at the same location(s) for a period of time greater than the time remaining on the existing contract, subject to contract periods contained in E. preceding.
  2. The termination liability basis for Feature Activation rates will be 50 percent of the total monthly rate for the activated features under contract which are being disconnected. All features activated under contract are coterminous with the basic system with which they are associated. Any features subscribed to on a month-to-month basis have a minimum service period of one month and no associated termination liability.
  3. The termination liability for moves of DigiServ channel service under CSPP from one location to a different location in Company territory within the same state, with the exception of inside moves, will be applied as set forth in B2.4.9.A.11. of this Price List.
- H.** Transfer of service responsibility between customers is permitted subject to payment of a Transfer Charge as specified in B7.3.4.C.

**B7.3.3 Digital Architecture and Definitions****A.** Digital Architecture

DigiServ channel services differ in provisioning method and numbering format from single channel services. These services will be available from the Company on a link (partial channel) basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks in the future.

Both analog and digital channels are offered by the Company. Where traditional analog voice grade signals are provided to a customer at his premises, then comparable performance specifications to the Series 2100 (or 2000) Channel Services will be provided, as contained in the Private Line or General Subscriber Services Price Lists.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 28  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### B7.3 DigiServ Channel Service (Cont'd)

#### B7.3.3 Digital Architecture and Definitions (Cont'd)

##### A. Digital Architecture (Cont'd)

Many DigiServ service channels will be available on a digital basis at the network interface on a customer's premises. Traditional analog services, like tie lines, off-premises stations, and PBX trunks can be provided on a digital basis to a customer's premises by the Company when a customer desires them encoded in a 1.544 Mbps (DS1) bit stream. Under those conditions, they will be provided as DS0 channels by the Company. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superseded by the electrical specifications of the DigiServ service channel which is actually terminated. Each DS0 channel provided will have identity only as a "time slot" within a DS1 channel. Compatible Digital to analog conversion equipment must be provided by the customer to derive the desired analog services. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer.

##### B. Definitions

###### CHANNEL SERVICE UNIT (CSU)

The term CSU denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

###### DS0

The term DS0 denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a **64.0** Kbps transmission bit rate signal. The required format and interface specifications are referenced in BellSouth Services Technical Reference #73525.

###### DS1

The term DS1 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate, and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are contained in BellSouth Services Technical Reference #73525.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 29  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.3 DigiServ Channel Service (Cont'd)**

**B7.3.4 Rates and Charges**

**A. Basic System Capacity**

The rates for a basic system without activated features for voice or data grade service are as follows:

1. Central Office<sup>1</sup>

		<b>Nonrecurring Charge</b>	<b>Month To Month</b>	<b>24 to 48 Months</b>	<b>49 to 72 Months</b>	<b>73 to 96 Months</b>	<b>USOC</b>
(a)	24 Voice Equivalent Channels	\$225.00	\$210.00	\$189.00	\$171.00	\$154.00	VUM24
(b)	48 Voice Equivalent Channels	270.00	367.75	309.70	300.00	290.35	VUM48
(c)	96 Voice Equivalent Channels	355.00	716.15	600.05	580.70	561.30	VUM96
(d)	144 Voice Equivalent Channels	440.00	1,035.55	871.00	842.00	758.00	VUM144
(e)	192 Voice Equivalent Channels	525.00	1,266.00	1,122.65	1,026.00	924.00	VUM192
(f)	240 Voice Equivalent Channels	610.00	1,482.00	1,334.00	1,197.00	1,078.00	VUM240
(g)	288 Voice Equivalent Channels	700.00	1,691.00	1,522.00	1,370.00	1,233.00	VUM288
(h)	384 Voice Equivalent Channels	870.00	2,061.00	1,855.00	1,670.00	1,503.00	VUM384
(i)	480 Voice Equivalent Channels	1,045.00	2,412.00	2,171.00	1,954.00	1,759.00	VUM480
(j)	576 Voice Equivalent Channels	1,215.00	2,752.00	2,477.00	2,230.00	2,007.00	VUM576
(k)	672 Voice Equivalent Channels	1,390.00	3,059.00	2,754.00	2,479.00	2,232.00	VUM672

**Note 1:** Contract lengths are flexible to allow customer choice of payment period per B2.4.9.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 30  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.3 DigiServ Channel Service (Cont'd)**

**B7.3.4 Rates and Charges (Cont'd)**

**B.** Feature Activation<sup>1</sup>

1. Central Office

a. Analog Voice Service

- (1) For Exchange Line, Foreign Exchange, OPS, Trunk, *Centrex Type Services* Station Line, WATS Line, or Voice PL use

	Nonrecurring Charge		Month	24 to 96	USOC
	First	Each Additional	to Month	Months Contract	
(a) Per feature activated <sup>2,3,4</sup>	\$7.00	\$6.00	\$6.50	\$5.00	1PQW+
(2) For Tie Line use					
(a) Per feature activated <sup>2,3,4</sup>	7.00	6.00	9.70	7.75	1PQW+
b. Analog Data Service					
(1) For data transmission use					
(a) Per feature activated <sup>2,3,4</sup>	7.00	6.00	9.70	7.75	1PQW+
c. Digital Data Service					
(1) For 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56.0 Kbps and 64.0 Kbps data rates					
(a) Per feature activated <sup>2,3,4</sup>	7.00	6.00	13.00	11.00	1PQW+
d. Broadband Exchange Line Service					
(1) For 56 Kbps and 64 Kbps data rates					
(a) Per feature activated <sup>2,3,4</sup>	10.00	7.50	10.00	8.00	1PQW+

**Note 1:** Contract lengths are now flexible to allow customer choice of payment period per B2.4.9.

**Note 2:** The first nonrecurring charge is applicable to the first channel activated of a particular type at the same premises (or central office location). It is also applicable to a first channel of that type which is installed at a later time or different premises (or central office location).

**Note 3:** Each additional nonrecurring charge is applicable to each additional channel activated of the same type, at the same premises (or central office location), and at the same time.

**Note 4:** Represents 1 (one) voice equivalent channel per feature activated.

NORTH STATE TELEPHONE  
 COMPANY  
 High Point, North Carolina

Section 7  
 Original Sheet 31  
 Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.3 DigiServ Channel Service (Cont'd)**

**B7.3.4 Rates and Charges (Cont'd)**

**C. Transfer Charges**

- 1. Transfer Between Customers

(a) Per Transfer

**Nonrecurring Charge**  
**\$50.00**

**USOC**  
**NA**

**D. Mileage Charges**

Rates and charges for DigiServ service and DigiServ Plus service as contained in B7.1 and B7.9 are applicable. Generally, one 1.544 Mbps channel is required for each group of 24 voice equivalent channels provided. However, some applications, such as 56 Kbps, may require two voice grade equivalent channels per channel provided by the Company.

**E. Automatic Protection Switching (APS)**

APS for a DigiServ service interface provides automatic DS1 channel switching to a backup DS1 channel upon primary facility failure. When provided via DigiServ service, this feature requires purchase of an additional DigiServ service channel from B7.1 of this Price List for each backup channel required. Rates, charges and availability of this equipment will be negotiated with the customer on an individual case basis and subject to the approval of the appropriate regulatory authority. This feature may not be available with lines utilizing the Clear Channel Capability line code (B8ZS).

**F. Switching Arrangements, multipoint/multistation Bridging and Data Conditioning rates.**

Rates and charges are those that would be applicable to single channel services.

**G. Signaling Arrangements**

Rates and charges for single channels, as contained in A13.1 of the General Subscriber Service Price List and Section B3. of this Price List, are not applicable to local channel and interoffice link segments that are channelized under the DigiServ channel services offering. However, rates and charges for automatic ringdown (20 Hz.) signaling, as contained in Section B4. of this Price List, are applicable when this is desired by the customer.

**H. Exchange Network Access**

Rates and charges for Network Access Registers are applicable as contained in Section 3.2 of the General Exchange Price List in addition to Feature Activation and other DigiServ channel service rates and charges contained in this section.

**I. Inside Moves of Basic Systems**

Inside moves of Basic Systems, from one location to another within a building, will be provided at nonrecurring charges equal to the customer premises nonrecurring charge for the size of the Basic System being moved.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 32  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### B7.4 FiberBand Service

#### B7.4.1 General

- A. FiberBand service is an intraLATA interexchange fiber optic based, digital service which provides channelization capability for the customer in packages based on systems consisting of DS3, DS1, STS-1, OC-3, OC-12, OC-48 and OC-192 channels. It will provide local channels and/or interoffice channels in the following system sizes:

- Asynchronous - FiberBand 1
- Synchronous - STS-1, OC-3, OC-12, OC-48 and OC-192 FiberBand service

Asynchronous systems are capable of transporting DS1 and DS3 channels. Synchronous systems are capable of transporting all channels. The capacity of each FiberBand service system is shown in the following table:

<u>FiberBand System</u>	<u>DS1</u>	<u>DS3</u>	<u>STS-1</u>	<u>OC-3</u>	<u>OC-12</u>	<u>OC-48</u>
FiberBand 1	28	1				
FiberBand STS-1	28		1			
FiberBand OC-3	84	3	3	1		
FiberBand OC-12	336	12	12	4	1	
FiberBand OC-48	1344	48	48	16	4	1
FiberBand OC-192	5376	192	192	64	16	4

- B. Channelization is provided by FiberBand service Systems which furnish fiber optic transport from the central office to a customer's premises. Channel interfaces are offered to provide individual DS1, *Flex DS1*, DS3, *DS3 (Asymmetrical with DS1/Flex DS1)*, STS-1, OC-3, OC-12, OC-48, 10 Mbps, 100 Mbps, Fractional 1000 Mbps and 1000 Mbps channels. The customer may channelize all or part of a FiberBand service package to activate data facilities for interconnection with the exchange network, voice grade and data facilities for private line channels, as well as other FiberBand services. The customer may also choose not to channelize all or part of a FiberBand service package allowing direct connection to other FiberBand services, DS3 or DS1 services as provided in the Private Line Service Price List or the General Subscriber Service Price List. (OC-12, OC-48 and OC-192 FiberBand service local channel systems and OC-192 interoffice channel systems are only available as channelized.)

**B7. DIGITAL NETWORK SERVICE**

**B7.4 FiberBand Service (Cont'd)**

**B7.4.1 General (Cont'd)**

- C. Channel interfaces are offered to provide individual DS1, *Flex DS1*, DS3, *DS3 (Asymmetrical with DS1/Flex DS1)*, STS-1, OC-3, OC12 and OC-48 channels. Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). The following table lists the channel interfaces available with each FiberBand service System.

Local Channel Systems:	Asynchronous	Synchronous				
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192
<b>Customer Channel Interfaces</b>						
DS1	Yes	Yes	Yes	No	Yes <sup>1</sup>	Yes <sup>1</sup>
Flex DS1	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>
DS3	Yes	No	Yes	Yes	Yes	Yes <sup>1</sup>
DS3 Asymmetrical with DS1	No	No	Yes	No	No	No
DS3 Asymmetrical with Flex DS1	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>
STS-1	No	Yes	Yes	Yes	Yes	Yes <sup>1</sup>
OC-3	No	No	Yes	Yes	Yes	Yes
OC-12	No	No	No	No	Yes	Yes
OC-48	No	No	No	No	No	Yes
10 Mbps	No	No	No	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>
100 Mbps	No	No	No	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>
1000 Mbps	No	No	No	No	Yes <sup>4</sup>	Yes <sup>4</sup>
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	No	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes <sup>3</sup>	Yes <sup>3</sup>
<b>Central Office Channel Interfaces</b>						
DS1	Yes	Yes	Yes	No	Yes <sup>1</sup>	Yes <sup>1</sup>
Flex DS1	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>
DS3	Yes	No	Yes	Yes	Yes	Yes <sup>1</sup>
DS3 Asymmetrical with DS1	No	No	Yes	No	No	No
DS3 Asymmetrical with Flex DS1	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>
STS-1	No	Yes	Yes	Yes	Yes	No
OC-3	No	No	Yes	Yes	Yes	Yes
OC-12	No	No	No	No	Yes	Yes
OC-48	No	No	No	No	No	Yes

**Note 1:** Available only for systems installed on or after October 20, 2003. The maximum number of DS1 Circuits available in a system is 96.

**Note 2:** Available only for systems installed on or after April 13, 2005. The maximum number of Flex DS1 circuits available in a system is 96.

**Note 3:** Available only for systems installed on or after December 2, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 4:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 34  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### B7.4 FiberBand Service (Cont'd)

#### B7.4.1 General (Cont'd)

##### C. (Cont'd)

##### Local Channel Systems: (Cont'd)

##### Central Office Channel Interfaces (Cont'd)

	Asynchronous		Synchronous			
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192
28 DS1 Channel System	No	No	Yes	Yes	Yes	No
STS-1 Channel System	No	No	No	Yes	Yes	No
OC-3 Channel System	No	No	No	Yes	Yes	Yes
OC-12 Channel System	No	No	No	No	No	Yes
OC-48 Channel System	No	No	No	No	No	Yes
10 Mbps	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
100 Mbps	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
1000 Mbps	No	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>
Interoffice Channel Systems:						
Central Office Channel Interfaces						
DS1	No	No	No	No	No	Yes <sup>3</sup>
DS3	Yes	No	Yes	Yes	Yes	Yes <sup>3</sup>
STS-1	No	Yes	Yes	Yes	Yes	Yes <sup>3</sup>
OC-3	No	No	Yes	Yes	Yes	Yes
OC-12	No	No	No	Yes	Yes	Yes
OC-48	No	No	No	No	Yes	Yes
28 DS1 Channel System	Yes	No	Yes	Yes	Yes	Yes <sup>1</sup>
STS-1 Channel System	No	Yes	Yes	Yes	Yes	Yes <sup>1</sup>
OC-3 Channel System	No	No	Yes	Yes	Yes	Yes
OC-12 Channel System	No	No	No	No	No	Yes
OC-48 Channel System	No	No	No	No	No	Yes
10 Mbps	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
100 Mbps	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
1000 Mbps	No	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>

**Note 1:** Available only for systems installed on or after December 2, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 2:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 3:** Available only for systems installed on or after October 20, 2003. The maximum number of DS1 circuits available in a system is 96.

**B7. DIGITAL NETWORK SERVICE****B7.4 FiberBandService (Cont'd)****B7.4.1 General (Cont'd)**

- D. OC-3, OC-12 and OC-48 FiberBand service local channel systems may have an optical physical interface at either the serving wire center or the customer termination location. Where a customer elects to order a FiberBand service local channel system with optical termination at the customer's location, the customer's termination equipment must be compatible with Company equipment in the serving wire center. Customers are also required to utilize compatible channel interface combinations to function with Company provided central office channel interfaces. The Company reserves the right to determine the equipment it employs for service.
- E. This service is available within a LATA where appropriate digital facilities can be made available as determined by the Company. Service inquiries will be necessary to determine availability interval.
- F. All FiberBand services in a customer's package must be channelized in a single equipment location on a customer's premises, i.e., a package cannot be split between premises, or multiple locations within a premises. Standard network interfaces will be provided by the Company for digital services consistent with existing practices for single channel services.
- G. Individual channels within a FiberBand service package may be connected with service offered in other sections of this Price List and the General Subscriber Service Price List as appropriate. The regulations, rates and charges in this Price List are applicable for the FiberBand service component of the customer's end-to-end service. Single channel service components (non-FiberBand service links) are subject to the regulations, rates and charges in their respective Price List sections.
- H. The customer may activate any number or combination of channels within a FiberBand service package within the capacity limits of the Basic System. Channels may be activated coincident with installation or at any time subsequent to basic system installation. Once activated, a channel is subject to a minimum service period in accordance with the contract period. Features (channels) activated under month-to-month rates will have a minimum service period of one month.
- I. When the Company provides customer premises FiberBand service channelization down to a DS1 data rate level, any Channel Service Units (CSU) for associated 1.544 Mbps channels are the responsibility of the customer.
- J. DS1 channels have the capacity to provide 24 voice grade equivalent channels. Each DS3 channel has the capacity to provide 28 DS1 channels.
- K. The termination of channelization equipment will be in a single equipment location on a customer's premises. The customer must provide suitable floor space, controlled environment, and a source of non-switched 120 volt, 60 Hz AC power to support this service.
- L. Two additional levels of reliability are offered as options of basic FiberBand service. These service levels provide guaranteed Separate Alternate Facilities Transport (SAFT Levels I & II) for improved protection of local channel systems extended from the first outside plant service access point outside the Company's serving wire center to the last outside plant service access point prior to entering a customer's premises.  
SAFT Level I – Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, from the primary facilities.  
SAFT Level II – Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, separate supporting structure and route from the primary facilities. Intermediate equipment, if required, will be configured to prevent a single service interruption point. If existing facilities are not available, special construction charges may apply.
- M. FiberBand service interoffice channel systems are intended to extend FiberBand service local channels to other central offices. In addition these channels, may be provided on a stand-alone basis when used in a "link" arrangement with other services in this Price List and the General Subscriber Service Price List.
- N. The level of automatic protection switching capability varies for FiberBand service asynchronous and synchronous channels. For asynchronous channels, automatic protection switching capability is a standard service feature that automatically switches customer service to protection facilities upon primary facility failure. Card protection (1+n) is provided for DS1, DS3 and STS-1 channel interfaces as a standard feature. For synchronous channels, automatic protection switching capability is provided via the synchronous customer or central office channel 4-fiber interfaces. These 4-fiber interfaces provide 1+1 optical card protection of the interface. The specifications for these interfaces are contained in BellSouth Telecommunications, Inc. Technical Reference #73501.

**B7. DIGITAL NETWORK SERVICE****B7.4 FiberBand Service (Cont'd)****B7.4.1 General (Cont'd)**

- O. The technical specifications and standard network interfaces for *FiberBand service* and associated channelization are contained in BellSouth Technical Reference #73501. This publication is available from BellSouth Telecommunications Inc., Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243.

P. Credit Allowance

When FiberBand service is interrupted due to causes other than negligence of the customer, or to the failure of facilities or equipment furnished by the customer, a credit allowance will be made upon request for the portion of service affected. Where service interruptions of one minute or more per occasion occur, the credit applied shall be at the rate of 1440/1440 of the monthly charges for the FiberBand service. All credit allowances shall begin from the time of notice by the customer to the Company, and will end when the service is operative. A customer must report the outage in order to receive service outage credit. The total credit received in any month shall not exceed the monthly rate for the service. Outage credits for DS1 channel interfaces and subtending DS1 services are as set forth in the Price List sections governing those services.

**B7.4.2 Application of Rates**

- A. Monthly rates and charges as specified in B7.4.5 following apply for each FiberBand service. These rates apply regardless of the number of circuit equivalents within each package that are actually activated by the customer at a point in time.
1. Local channel systems furnished between a Serving Wire Center and the customer's premises are distance sensitive. Local channel systems include the transport common equipment, and first half air-mile of local channel facilities at rates specified in B7.4.5.A. following. Rates for additional lengths of local channel facilities are as specified in B7.4.5.B. following.
  2. Separate Alternate Facility Transport (SAFT) options for FiberBand service local channels are offered at the rates specified in B7.4.5.C. following. These rates are in addition to local channel system rates.
  3. Interoffice channel system mileage rates and charges are as specified in B7.4.5.D. following.
- B. Suspension of service is not permitted with FiberBand service.
- C. Channel interfaces are required for FiberBand service based upon the following guidelines:
1. Channel interfaces are required at both the customer's location and the serving wire center for FiberBand service local channel systems and at both termination points of a FiberBand service interoffice channel, except as specified in 2. following.
  2. A FiberBand service central office channel interface is not required for a synchronous FiberBand service local channel system with optical termination in the serving wire center. A FiberBand service local channel system with optical termination in the serving wire center may connect in one of the following ways:
    - to another FiberBand service local channel or interoffice channel at the compatible optical level,
    - to a DigiRing service channel interface (CI) at the compatible optical level, or
    - to a compatible optical level channel interface from a higher level FiberBand service local channel or interoffice channel.
  3. FiberBand service channel interfaces are only offered in conjunction with a FiberBand service System.
  4. Company provided DS1 customer channel interfaces are offered only with FiberBand 1, FiberBand STS-1 and FiberBand OC-3 Basic Systems. *Also, a maximum of 96 DS1 customer channel interfaces are available on FiberBand OC-48 and FiberBand OC-192 Basic Systems installed on or after October 20, 2003.*
  5. OC-12 and OC-48 FiberBand service local channel systems require a 28 DS1, STS-1, or OC-3 channel system in addition to DS1 channel interfaces in the central office to derive DS1 channels in the serving wire center. OC-192 FiberBand service local channel systems require an OC-3 channel system in addition to DS1 channel interfaces to terminate DS1 channels in the serving wire center.
  6. OC-192 FiberBand service local channel systems, *installed prior to October 20, 2003*, require an OC-3, OC-12 or OC-48 channel system in addition to DS3 or STS-1 channel interfaces to terminate DS3 or STS-1 channels in the serving wire center.

**B7. DIGITAL NETWORK SERVICE****B7.4 FiberBand Service (Cont'd)****B7.4.2 Application of Rates (Cont'd)****C. (Cont'd)**

7. OC-3 FiberBand service local channel systems which require a DS3 termination at one location and DS1 terminations at the other, have two options available:
    - A DS3 channel interface at the customer location and a 28 DS1 channel system in addition to DS1 channel interfaces at the serving wire center, or
    - A DS3 (asymmetrical with DS1) interface at one termination point and DS1 channel interfaces at the other termination point.
  8. For FiberBand service Interoffice Channel Systems the following is applicable:
    - A 28 DS1 channel system in addition to DS1 channel interfaces provide DS1 channel termination capability with FiberBand 1 service.
    - An STS-1 channel system in addition to DS1 channel interfaces provide DS1 channel termination capability with STS-1 FiberBand service.
    - An OC-3 channel system in addition to DS1 channel interfaces provide DS1 channel termination capability with OC-3, OC-12, OC-48 and OC-192 FiberBand service. OC-3, OC-12 or OC-48 channel systems in addition to DS3 or STS-1 channel interfaces provide DS3 or STS-1 channel termination capability with FiberBand OC-192 Interoffice Channel Systems.
  9. A channel system in addition to the lower level interfaces replaces the requirement for the higher level interface. For example, an OC-3 central office interface would be replaced with an OC-3 channel system and DS1 central office interfaces.
- D.** FiberBand service local channel mileage and Separate Alternate Facilities Transport mileage rates are distance sensitive. They are measured per half airline mile or fraction thereof from the customer's designated premises to the Serving Wire Center. Mileage is computed by using methodology and Vertical (V) and Horizontal (H) coordinates contained in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. PRICE LIST F.C.C. No. 4. Fractional mileage shall be rounded up to the next half mile.
- E.** Interoffice Channels furnished between Central Offices will be charged at rates based on airline distance between the Central Offices. Mileage is shown in B7.4.5.D following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using methodology and Vertical (V) and Horizontal (H) coordinates contained in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. PRICE LIST F.C.C. No. 4. Next find the band into which the computed mileage falls and apply the rates shown for that band. Fractional mileage shall be rounded up to the next full mile.
- F.** FiberBand service OC-3, OC-12 or OC-48 channel interfaces are associated with optical circuits within a FiberBand service system. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel. When an optical circuit is provisioned as concatenated at the time the circuit is installed, there is no additional charge for provisioning it as concatenated. When an existing non-concatenated optical circuit is requested to be reconfigured as concatenated, a concatenation rearrangement charge shall apply. This rearrangement charge shall also apply when a request is made to convert an existing concatenated circuit to non-concatenated. This rearrangement charge is specified in B7.4.5.E following and is applied on a per circuit basis.
- G.** Customers may request a C-Bit Parity framing format for a DS3 level circuit. If the request is made at the time the circuit is installed, there is no additional charge. When a request for C-Bit Parity framing format is made for an existing circuit, a nonrecurring charge will be applicable for rearranging the framing format on the circuit. This charge will also be applicable if a customer requests that the C-Bit Parity framing format be removed from a circuit. This charge is specified in B7.4.5.F. following and is applied on a per circuit basis.



**B7. DIGITAL NETWORK SERVICE****B7.4 FiberBand Service (Cont'd)****B7.4.2 Application of Rates (Cont'd)**

- H.** FiberBand *service* Systems are available under contract only for variable rate periods with rates based on commitments of 24 to 48 months, 49 to 72 months, or 73 to 96 months under conditions specified in B2.4 except as modified following. Contract rate increases are subject to the stipulations of **I.** following. All elements of a contract will expire at the same time (be coterminous).
1. FiberBand *service* Systems are available only under contract as specified preceding. Month-to-Month rates are available at the conclusion of the initial contract period. ***Central office and customer channel interfaces are available on a month to month basis or under contract.***
  2. All rate elements associated with a FiberBand service local channel or interoffice channel must be provided under the same payment plan, provided however, that channel interfaces may be activated on month-to-month rates or a shorter payment period if desired.
  3. Channelized DS1/1.544 Mbps channels and Sub-DS1 Feature Activations are available under terms contained in DigiServ channel Service.
- I.** FiberBand service rates under contract will not be increased by Company initiative until the contract period expires. Those monthly rates for FiberBand *service* in effect at the time the service is installed and/or as of the service order application date, will be applicable until the contract expires. At the expiration date of the customer's payment period option, the customer may select a new payment period option at current contract rates or revert to current rates on a month-to-month basis.
- J.** A Termination Liability Charge is applicable at the date of termination. The applicable charge is dependent on the contract period subscribed to and will be equal to the number of months remaining in the contract times fifty percent (50%) of the monthly rates for the FiberBand service *rates* which are provided under contract, and are subject to the exemptions of **I.** following.
1. No Termination Liability Charge will be applicable for the FiberBand *service* System when the customer renegotiates a new contract for the same system at the same location(s) for a period of time greater than the time remaining on the existing contract.
- K.** Transfer of service responsibility between customers is permitted subject to payment of a Transfer Charge as determined on an individual case basis.

**B7.4.3 Digital Architecture and Definitions**

- A.** Digital Architecture
1. FiberBand services differ in provisioning method and numbering format from single channel services. These services will be available from the Company on a link (partial channel) basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks in the future.  
  
Many FiberBand service channels will be available on a digital basis at the network interface on a customer's premises. Traditional analog services, like tie lines, off-premises stations, and PBX trunks can be provided on a digital basis to a premises by the Company when a customer desires them encoded in a DS1 bit stream. Under those conditions, they will be provided as DS0 channels by the Company. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superceded by the electrical specifications of the 1.544 Mbps (DS1) channel which is actually terminated. Each DS0 channel provided will have identity only as a "time slot" within a DS1 channel. Compatible digital to analog conversion equipment must be provided by the customer to derive the desired analog services. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer.
- B.** Definitions
- CHANNEL SERVICE UNIT (CSU)
- This denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

**B7. DIGITAL NETWORK SERVICE****B7.4 FiberBand Service (Cont'd)****B7.4.3 Digital Architecture and Definitions (Cont'd)****B.** Definitions (Cont'd)

## DS0

This denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 kbps transmission data rate signal. The required format and interface specifications are referenced in BellSouth Technical Reference #73501.

## DS1

This denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate, and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are contained in BellSouth Technical Reference #73501.

## DS3

This denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 44.736 Mbps transmission data rate, and provides for two-way simultaneous transmission of randomized Non-Return-to-Zero (NRZ) signals with a B3ZS format. The required format and interface specifications are contained in BellSouth Technical Reference #73501.

## FIBERBAND 1

This service provides extended service capability of DS3 data rates to the customer, or multiplexed DS1 and DS0 channels based upon configurations desired. Appropriate electrical signals will be provided in accordance with the specifications of BellSouth Technical Reference #73501. The total capacity to be provided is a single 44.736 Mbps transmission rate. This offering is intended to be a flexible, link connectable transport service for large customers with the capability of connecting with individual exchange and private line services, DigiServ channel service, DigiRing service, and/or other FiberBand services. Automatic protection switching capability is inherent in this service.

## SYNCHRONOUS FIBERBAND SERVICES

FiberBand service is available in the following synchronous systems: STS-1, OC-3, OC-12, OC-48 and OC-192. These offerings are intended to be a very flexible, link connectable transport service for the very large customer. They have the capability of connecting with individual exchange and private line services, DigiServ channel service, DigiRing service and/or other FiberBand services. Appropriate electrical and optical signals will be provided in accordance with the specifications of BellSouth Technical Reference #73501.

## SYNCHRONOUS OPTICAL NETWORK (SONET)

SONET defines a progressive hierarchy of optical signal and line rates. The basic building block is the STS-1 (Synchronous Transport Signal at level 1), operating at 51.840 Mbps. All higher rate signals (STS-N) are multiples of the basic STS-1 signal rate. The optical counterpart of a STS-N is the OC-N, operating at the same rate as the corresponding STS-N. The required format and interface specifications are contained in BellSouth Technical Reference #73501.

**B7.4.4 Reserved for future use**

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 40  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.4 FiberBand Service (Cont'd)**

**B7.4.5 Rates and Charges**

**A. FiberBand service Local Channel Systems**

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities.

1. FiberBand 1 Basic System<sup>1</sup>

		Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
	(a) Per System	\$300.00	\$1,800.00	\$1,550.00	\$1,400.00	\$1,250.00	HFSC7
2.	FiberBand STS-1 Basic System <sup>1</sup>						
	(a) Per System	700.00	1,800.00	1,550.00	1,400.00	1,250.00	HFS11
3.	FiberBand OC-3 Basic System <sup>1</sup>						
	(a) Per System	700.00	3,700.00	3,100.00	2,800.00	2,500.00	HFS03
	(b) Per System with Optical Customer Termination	700.00	2,432.00	1,968.00	1,776.00	1,584.00	HFSOC
	(c) Per System with Optical Serving Wire Center Termination	700.00	2,432.00	1,968.00	1,776.00	1,584.00	HFSOW
4.	FiberBand OC-12 Basic System <sup>1</sup>						
	(a) Per System	700.00	5,500.00	5,100.00	4,600.00	4,150.00	HFS12
	(b) Per System with Optical Customer Termination	700.00	3,840.00	3,504.00	3,200.00	2,880.00	HFS1C
	(c) Per System with Optical Serving Wire Center Termination	700.00	3,840.00	3,504.00	3,200.00	2,880.00	HFS1W
5.	FiberBand OC-48 Basic System <sup>1</sup>						
	(a) Per System	700.00	13,000.00	11,000.00	10,000.00	9,000.00	HFS48
	(b) Per System with Optical Customer Termination	700.00	8,000.00	7,040.00	6,400.00	5,760.00	HFS4C
	(c) Per System with Optical Serving Wire Center Termination	700.00	8,000.00	7,040.00	6,400.00	5,760.00	HFS4W
6.	FiberBand OC-192 Basic System <sup>1</sup>						
	(a) Per System	700.00	26,000.00	20,000.00	18,000.00	16,000.00	HFST2

**Note 1:** Month to month rates are only available at the end of a contract rate period

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 41  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.4 FiberBand Service (Cont'd)**

**B7.4.5 Rates and Charges (Cont'd)**

**B.** FiberBand service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities.

7. Central Office Channel Interfaces

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per DS1	\$125.00	\$12.00	\$8.00	\$7.00	\$6.00	1PQE8
(b) Per DS3	125.00	115.00	90.00	80.00	70.00	1PQE3
(c) Per DS3 (Asymmetrical with DS1/ <i>Flex DS1</i> )	290.00	500.00	390.00	365.00	350.00	1PQEG
(d) Per STS-1	125.00	175.00	140.00	130.00	120.00	1PQE4
(e) Per OC-3 (2 Fiber)	200.00	240.00	190.00	175.00	160.00	1PQE5
(f) Per OC-3 (4 Fiber)	200.00	425.00	330.00	300.00	270.00	1PQE6
(g) Per OC-12 (2 Fiber)	360.00	640.00	495.00	450.00	405.00	1PQEE
(h) Per OC-12 (4 Fiber)	400.00	1,280.00	990.00	900.00	810.00	1PQED
(i) Per OC-48 (2 Fiber)	500.00	1,600.00	1,325.00	1,215.00	1,050.00	1PQEO
(j) Per OC-48 (4 Fiber)	500.00	3,200.00	2,650.00	2,430.00	2,100.00	1PQEF
(k) Per 28 DS1 Channel System	125.00	600.00	490.00	465.00	450.00	MQ3CO
(l) Per DS1 on 28 DS1 Channel System	125.00	12.00	8.00	7.00	6.00	1PQEA
(m) Per STS-1 Channel System	125.00	600.00	490.00	465.00	450.00	1PQE7
(n) Per OC-3 Channel System	125.00	1,325.00	1,100.00	1,000.00	900.00	1PQE9
(o) Per OC-12 Channel System	125.00	2,650.00	2,200.00	2,000.00	1,800.00	1PQ12
(p) Per OC-48 Channel System	125.00	5,490.00	4,410.00	4,050.00	3,510.00	1PQ48
(q) Per 1000 Mbps <sup>1</sup>	400.00	740.00	520.00	475.00	425.00	1PQEK
(r) Per 10 Mbps <sup>2</sup>	450.00	500.00	175.00	155.00	140.00	1PQEH
(s) Per 100 Mbps <sup>2</sup>	450.00	540.00	210.00	190.00	170.00	1PQEJ
(t) Per Fractional 1000 Mbps <sup>2</sup>						
- 50 Mbps	450.00	520.00	190.00	170.00	150.00	1PQEM
- 150 Mbps	450.00	560.00	230.00	210.00	190.00	1PQEN
- 300 Mbps	450.00	600.00	300.00	280.00	260.00	1PQER
- 450 Mbps	450.00	640.00	340.00	310.00	290.00	1PQES
- 600 Mbps	450.00	700.00	380.00	340.00	320.00	1PQET
(u) Per Flex DS1	130.00	12.00	8.00	7.00	6.00	1PQE4

**Note 1:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 2:** Available only for systems installed on or after December 2, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 42  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.4 FiberBand Service (Cont'd)**

**B7.4.5 Rates and Charges (Cont'd)**

**A. FiberBand service Local Channel Systems (Cont'd)**

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities. (Cont'd)

8. Customer Channel Interfaces

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per DS1	\$170.00	\$17.00	\$13.00	\$11.50	\$10.00	1PQF1
(b) Per DS3	125.00	115.00	90.00	80.00	70.00	1PQF3
(c) Per DS3 (Asymmetrical with DS1/ <i>Flex DS1</i> )	280.00	500.00	390.00	365.00	350.00	1PQFG
(d) Per STS-1	125.00	240.00	195.00	185.00	175.00	1PQF4
(e) Per OC-3 (2 Fiber)	125.00	240.00	190.00	175.00	160.00	1PQF5
(f) Per OC-3 (4 Fiber)	125.00	475.00	380.00	350.00	320.00	1PQF6
(g) Per OC-12 (2 Fiber)	275.00	715.00	570.00	525.00	480.00	1PQF8
(h) Per OC-12 (4 Fiber)	275.00	1,430.00	1,140.00	1,050.00	960.00	1PQF7
(i) Per OC-48 (2 Fiber)	300.00	1,600.00	1,325.00	1,215.00	1,050.00	1PQF2
(j) Per OC-48 (4 Fiber)	300.00	3,200.00	2,650.00	2,430.00	2,100.00	1PQFO
(k) Per 1000 Mbps <sup>1</sup>	400.00	740.00	520.00	475.00	425.00	1PQFK
(l) Per 10 Mbps <sup>2</sup>	450.00	500.00	175.00	155.00	140.00	1PQFH
(m) Per 100 Mbps <sup>2</sup>	450.00	540.00	210.00	190.00	170.00	1PQFJ
(n) Per Fractional 1000 Mbps <sup>2</sup>						
- 50 Mbps	450.00	520.00	190.00	170.00	150.00	1PQFM
- 150 Mbps	450.00	560.00	230.00	210.00	190.00	1PQFN
- 300 Mbps	450.00	600.00	300.00	280.00	260.00	1PQFR
- 450 Mbps	450.00	640.00	340.00	310.00	290.00	1PQFS
- 600 Mbps	450.00	700.00	380.00	340.00	320.00	1PQFT
(o) Per Flex DS1	260.00	17.00	13.00	11.50	10.00	1PQFQ

**B. FiberBand service Local Channel Mileage<sup>3</sup>**

1. Mileage for all FiberBand service Local Channel Systems

(a) First one-half mile (included in system charge)	-	-	-	-	-	NA
(b) Each additional one-half mile	NA	220.00	180.00	165.00	150.00	1LPEA

**Note 1:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 2:** Available only for systems installed on or after December 2, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 3:** Month to month rates are only available at the end of a contract rate period.

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 43  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.4 FiberBand Service (Cont'd)**

**B7.4.5 Rates and Charges (Cont'd)**

**C. Separate Alternate Facility Transport (SAFT) <sup>1</sup>**

1. SAFT Level I

	Nonrecurring Charges	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per System	\$770.00					1L8EA
(b) Per one-half air mile		\$175.00	\$115.00	\$95.00	\$90.00	1L8SA

2. SAFT Level II

(a) Per System	770.00					1L8EP
(b) Per one-half air mile		2,000.00	800.00	640.00	520.00	1L8SP

**D. Interoffice Channels (These channels are furnished between central offices. Rates are based upon airline distance between central offices.)**

1. FiberBand 1 service<sup>1</sup>

a. Per DS3

(1) 0-8 miles

(a) Fixed	190.00	1,430.00	975.00	775.00	625.00	1LPS8
(b) Per Mile		130.00	70.00	60.00	50.00	1LPE8

(2) 9-25 miles

(a) Fixed	190.00	1,600.00	1,125.00	925.00	775.00	1LPS9
(b) Per Mile		130.00	70.00	60.00	50.00	1LPE9

(3) Over 25 miles

(a) Fixed	190.00	1,870.00	1,325.00	1,125.00	925.00	1LPS6
(b) Per Mile		130.00	70.00	60.00	50.00	1LPE6

2. FiberBand STS-1 service<sup>1</sup>

a. Per STS-1

(1) 0-8 miles

(a) Fixed	190.00	1,430.00	975.00	775.00	625.00	1LPS8
(b) Per Mile		130.00	70.00	60.00	50.00	1LPE8

(2) 9-25 miles

(a) Fixed	190.00	1,600.00	1,125.00	925.00	775.00	1LPS9
(b) Per Mile		130.00	70.00	60.00	50.00	1LPE9

(3) Over 25 miles

(a) Fixed	190.00	1,870.00	1,325.00	1,125.00	925.00	1LPS6
(b) Per Mile		130.00	70.00	60.00	50.00	1LPE6

**Note 1:** Month to month rates are only available at the end of a contract rate period.

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 44  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.4 FiberBand Service (Cont'd)**

**B7.4.5 Rates and Charges (Cont'd)**

D. Interoffice Channels (Cont'd) (These channels are furnished between central offices. Rates are based upon airline distance between central offices.)

3. FiberBand OC-3 service<sup>1</sup>

a. Per OC-3

(1) 0-8 miles

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Fixed	\$190.00	\$2,100.00	\$1,475.00	\$1,225.00	\$1,025.00	1LPS8
(b) Per Mile	-	225.00	155.00	140.00	125.00	1LPE8

(2) 9-25 miles

(a) Fixed	190.00	2,600.00	2,150.00	2,000.00	1,900.00	1LPS9
(b) Per Mile	-	225.00	155.00	140.00	125.00	1LPE9

(3) Over 25 miles

(a) Fixed	190.00	3,600.00	3,150.00	2,900.00	2,700.00	1LPS6
(b) Per Mile	-	225.00	155.00	140.00	125.00	1LPE6

4. FiberBand OC-12 service<sup>1</sup>

a. Per OC-12

(1) 0-8 miles

(a) Fixed	190.00	4,000.00	3,300.00	3,000.00	2,700.00	1LPS8
(b) Per Mile	-	400.00	320.00	290.00	260.00	1LPE8

(2) 9-25 miles

(a) Fixed	190.00	5,500.00	4,800.00	4,500.00	4,200.00	1LPS9
(b) Per Mile	-	400.00	320.00	290.00	260.00	1LPE9

(3) Over 25 miles

(a) Fixed	190.00	7,200.00	6,500.00	6,200.00	5,900.00	1LPS6
(b) Per Mile	-	400.00	320.00	290.00	260.00	1LPE6

5. FiberBand OC-48 service<sup>1</sup>

a. Per OC-48

(1) 0-8 miles

(a) Fixed	190.00	7,800.00	6,500.00	5,800.00	5,200.00	1LPS8
(b) Per Mile	-	600.00	500.00	450.00	400.00	1LPE8

(2) 9-25 miles

(a) Fixed	190.00	8,700.00	7,300.00	6,700.00	6,100.00	1LPS9
(b) Per Mile	-	600.00	500.00	450.00	400.00	1LPE9

(3) Over 25 miles

(a) Fixed	190.00	10,000.00	8,600.00	7,900.00	7,100.00	1LPS6
(b) Per Mile	-	600.00	500.00	450.00	400.00	1LPE6

**Note 1:** Month to month rates are only available at the end of a contract rate period.

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 45  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.4 FiberBand Service (Cont'd)**

**B7.4.5 Rates and Charges (Cont'd)**

**D.** Interoffice Channels (Cont'd) (These channels are furnished between central offices. Rates are based upon airline distance between central offices.)

6. FiberBand OC-192 service<sup>1</sup>

b. Per OC-192

(1) 0-8 miles

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Fixed	\$190.00	\$19,000.00	\$15,500.00	\$13,800.00	\$12,500.00	1LPS8
(b) Per Mile	-	600.00	500.00	450.00	400.00	1LPE8
(2) 9-25 miles						
(a) Fixed	190.00	19,900.00	15,900.00	14,200.00	12,700.00	1LPS9
(b) Per Mile	-	600.00	500.00	450.00	400.00	1LPE9
(3) Over 25 miles						
(a) Fixed	190.00	22,000.00	17,700.00	15,800.00	14,100.00	1LPS6
(b) Per Mile	-	600.00	500.00	450.00	400.00	1LPE6

7. Central Office Channel Interfaces

(a) Per DS1	125.00	12.00	8.00	7.00	6.00	1PQE8
(b) Per DS3	125.00	115.00	90.00	80.00	70.00	1PQE3
(c) Per STS-1	125.00	175.00	140.00	130.00	120.00	1PQE4
(d) Per OC-3 (2 Fiber)	200.00	240.00	190.00	175.00	160.00	1PQE5
(e) Per OC-3 (4 Fiber)	200.00	425.00	330.00	300.00	270.00	1PQE6
(f) Per OC-12 (2 Fiber)	360.00	640.00	495.00	450.00	405.00	1PQEE
(g) Per OC-12 (4 Fiber)	400.00	1,280.00	990.00	900.00	810.00	1PQED
(h) Per OC-48 (2 Fiber)	500.00	1,600.00	1,325.00	1,215.00	1,050.00	1PQEO
(i) Per OC-48 (4 Fiber)	500.00	3,200.00	2,650.00	2,430.00	2,100.00	1PQEF
(j) Per 28 DS1 Channel System	125.00	600.00	490.00	465.00	450.00	MQ3CO
(k) Per DS1 on 28 DS1 Channel System	125.00	12.00	8.00	7.00	6.00	1PQEA
(l) Per STS-1 Channel System	125.00	600.00	490.00	465.00	450.00	1PQE7
(m) Per OC-3 Channel System	125.00	1,325.00	1,100.00	1,000.00	900.00	1PQE9
(n) Per OC-12 Channel System	125.00	2,650.00	2,200.00	2,000.00	1,800.00	1PQ12
(o) Per OC-48 Channel System	125.00	5,490.00	4,410.00	4,050.00	3,510.00	1PQ48
(p) Per 1000 Mbps <sup>2</sup>	400.00	740.00	520.00	475.00	425.00	1PQEK
(q) Per 10 Mbps <sup>3</sup>	450.00	500.00	175.00	155.00	140.00	1PQEH
(r) Per 100 Mbps <sup>3</sup>	450.00	540.00	210.00	190.00	170.00	1PQEJ
(s) Per Fractional 1000 Mbps <sup>3</sup>						
- 50 Mbps	450.00	520.00	190.00	170.00	150.00	1PQEM
- 150 Mbps	450.00	560.00	230.00	210.00	190.00	1PQEN
- 300 Mbps	450.00	600.00	300.00	280.00	260.00	1PQER
- 450 Mbps	450.00	640.00	340.00	310.00	290.00	1PQES
- 600 Mbps	450.00	700.00	380.00	340.00	320.00	1PQET

**Note 1:** Month to month rates are only available at the end of a contract rate period.

**Note 2:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 3:** Available only for systems installed on or after December 2, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.



NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 46  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.4 FiberBand Service (Cont'd)**

**B7.4.5 Rates and Charges (Cont'd)**

**E. Concatenation Rearrangement Charge**

1. Per OC-3, OC-12 or OC-48 optical circuit rearranged as concatenated or non-concatenated subsequent to the initial installation of the circuit

<b>Nonrecurring Charge</b>	
<b>Initial</b>	<b>Subsequent</b>
<b>\$0</b>	<b>\$500.00</b>

**USOC  
NRCCN**

(a) Per circuit

**F. C-Bit Parity**

1. Per DS3 circuit rearranged to have C-Bit Parity added or removed subsequent to the initial installation of the circuit.

(a) Per circuit

<b>0</b>	<b>500.00</b>
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**NRCCB**

**G. Moves**

1. A move involves a change in the physical location of one of the following:
  - a. the point of interface at the customer premises, or
  - b. the customer's premises
2. When the move is to a new location in Company territory within the same state, the charge for the move is equal to the sum of all nonrecurring charges applicable to a new FiberBand service arrangement at the new location.

When the move is to a new location in Company territory in a different state, the move will be treated as a discontinuance and start of service. The customer will be responsible for satisfying all outstanding minimum period charges for the discontinued service. All applicable nonrecurring charges at the new location will apply.

**B7. DIGITAL NETWORK SERVICE****B7.5 Reserved For Future Use****B7.6 Reserved For Future Use****B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service****B7.7.1 General**

- A. DigiRing service is a dedicated, high capacity, network designed to provide increased reliability and functionality via a self-healing ring topology between multiple customer designated locations and Company Central Offices where facilities can be made available as determined by the Company. This network consists of fiber routed through local, alternate central office, internodal and/or interoffice channel facilities that transmit DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 channel services simultaneously over primary and alternate paths between customer designated locations and Company Central Offices. This ring topology will continually monitor DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 service quality, detect any failure within the system, and automatically self-heal itself around a point of failure to ensure the flow of DS1, DS3, STS-1, OC-3, OC-12 and/or OC-48 Services between locations within the self-healing network. For locations where a customer requests DigiRing service and facilities are not available, construction charges will apply as set forth in Section B5. preceding for cases involving extraordinary cost. This service is Intralata interexchange only.
- B. DigiRing service is available at OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 and OC-192+ capacities.

OC-3 DigiRing service is available as an individual service or in an Overlay Ring Arrangement riding the customer's host OC-12, OC-48, OC-48+ or OC-192+ DigiRing service. OC-3 DigiRing service provides an equivalent capacity of 3 DS3s, or any combination thereof not to exceed an OC-3 capacity.

Channel Interface Capacity Reallocation allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces.

**Effective December 2, 2004, OC-3+ DigiRing service is not available for new individual service installations. Existing OC-3+ DigiRing service installed as an individual service, or in combination with OC-12 DigiRing service, as of December 2, 2004, may continue in place. OC-3+ DigiRing service Overlay Ring Arrangements riding the customer's host OC-48, OC-48+, OC-192 or OC-192+ DigiRing service are available for host rings installed prior to December 2, 2004.** OC-3+ DigiRing service provides an equivalent OC-3 capacity, not to exceed 3 DS3s at each node, with a maximum ring capacity of 12 DS3s, not to exceed an OC-12 ring capacity.

When a customer orders OC-3+ DigiRing service in combination with OC-12 DigiRing service, capacity and channel interface availability at each Customer Node and Central Office Node location is determined by the size node ordered by the customer.

OC-12 DigiRing service is available as an individual service, or in combination with OC-3+ DigiRing service, or in an Overlay Ring Arrangement riding the customer's host OC-48, OC-48+ or OC-192+ DigiRing service. OC-12 DigiRing service provides an equivalent capacity of 12 DS3s.

OC-48 DigiRing service is available as an individual service, or with overlaying rings in capacities of OC-3, OC-3+ and/or OC-12, or in an Overlay Ring Arrangement riding the customer's OC-192 or OC-192+ DigiRing service. OC-48 DigiRing service provides an equivalent capacity of 48 DS3s.

OC-48+ DigiRing service is available as an individual bi-directional service, or with overlaying rings in capacities of OC-3, OC-3+ and/or OC-12, or in an Overlay Ring Arrangement riding the customer's OC-192+ DigiRing service. It provides equivalent capacity of 24 DS3s between consecutive node locations on the ring. The maximum capacity of the OC-48+ DigiRing service is determined by the number of Customer and Central Office nodes on the ring.

OC-192 DigiRing service is available as an individual service, or with overlaying rings in capacities of OC-3, OC-3+, OC-12 and/or OC-48. OC-192 DigiRing service provides an equivalent capacity of 192 DS3s.

**B7. DIGITAL NETWORK SERVICE**

**B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service**

**B7.7.1 General (cont'd)**

**B.** (Cont'd)

OC-192+ DigiRing service is available as an individual bi-directional service, or with overlaying rings in capacities of OC-3, OC-3+, OC-12, OC-48 and/or OC-48+. It provides equivalent capacity of 96 DS3s between consecutive node locations on the ring. The maximum capacity of the OC-192+ DigiRing service is determined by the number of Customer and Central Office nodes on the ring.

DigiRing service Channel Interfaces are available as follows:

<u>Channel Interfaces</u>	<u>NODES</u>						
	<b>OC-3</b>	<b>OC-3+</b>	<b>OC-12</b>	<b>OC-48</b>	<b>OC-48+</b>	<b>OC-192</b>	<b>OC-192+</b>
DS1	Yes	Yes	No	Yes <sup>1</sup>	No <sup>1</sup>	Yes	No <sup>1</sup>
DS3	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>1</sup>
STS-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>1</sup>
OC-3	No	No	Yes	Yes	Yes	Yes	Yes
OC-12	No	No	No	Yes	Yes	Yes	Yes
OC-48	No	No	No	No	No	Yes	Yes
28 DS1 Channel System (DS3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>2</sup>
28 DS1 Channel System (STS-1)	Yes	Yes	Yes	Yes	Yes	Yes	Yes <sup>2</sup>
DS3 (Asymmetrical with DS1)	Yes	Yes	No	No	No	No	No
DS1 Within an STS-1 Asymmetrical Arrangement	Yes	Yes	No	No	No	No	No
10 Mbps	No	No	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>
100 Mbps	No	No	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>
1000 Mbps	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes <sup>2</sup>
Fractional 1000 Mbps at 600 Mbps	No	No	No	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes <sup>3</sup>
Flex DS1 <sup>4</sup>	No	No	Yes	Yes	No	Yes	No

**Note 1:** DS1 interfaces are available via OC-3, OC-3+ or 28 DS1 Channel System arrangements only for OC-12, OC-48+ and OC-192+ nodes and for OC-48, OC-48+ and OC-192+ DigiRing service Nodes installed prior to October 20, 2003. For OC-48 and OC-192 nodes, installed on or after that date *to December 2, 2004*, DS1 interfaces are available with a maximum quantity per node of 96.

**Note 2:** DS3, STS-1, channel systems and 1000 Mbps interfaces are only available for nodes installed after October 20, 2003. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 3:** Available on rings installed on or after December 2, 2004. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 4:** Effective December 2, 2004, DS1 interfaces for rings install on or after this date will be installed as a Flex DS1 interface. The maximum number of DS1 circuits available in a system is 96.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 49  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service**

**B7.7.1 General (cont'd)**

**B.** (Cont'd)

DigiRing service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a DigiRing service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel.

DigiRing service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface). For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582.

The DS3 (Asymmetrical with DS1) interface allows a customer to aggregate DS1s originating from multiple nodes on a ring into a single DS3 interface at a designated node. A DS3 (Asymmetrical with DS1) interface has the capacity to aggregate 28 DS1s.

The DS1 within an STS-1 Asymmetrical Arrangement interface rate element applies in lieu of the STS-1 interface for the higher level termination of an asymmetrical arrangement when the lower level interface is a DS1.

DigiRing service Overlay Ring Arrangements are available as follows:

<u>OVERLAYING DigiRing Service</u>	<u>Host DigiRing Service</u>				
	<u>OC-12</u>	<u>OC-48</u>	<u>OC-48+</u>	<u>OC-192</u>	<u>OC-192+</u>
OC-3	X	X	X	X	X
OC-3+		X	X	X	X
OC-12		X	X	X	X
OC-48				X	X
OC-48+					X

**B7. DIGITAL NETWORK SERVICE****B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service (Cont'd)****B7.7.1 General (Cont'd)**

- C. DigiRing service is connectible at Company central offices to any compatible high capacity service as provided in Section B7. of this Price List Rates and charges for such other services are as set forth in the applicable sections of this Price List for such other services.
- D. The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service.
- E. Where the customer provides two separate entrance facility cable routes for DigiRing service, the primary and alternate entrance facilities will be separate and will enter the customer node over such different routes. When the customer requests a connection at a Customer Node via two local Channels and Telephone Company facilities do not exist for the second Local Channel between the Serving Wire Center and the Customer Node, the Telephone Company may provide an equivalent second Local Channel via an existing alternate route. When facilities become available for the second Local Channel, the Telephone Company may rearrange the alternate route at any time.
- F. The compatibility requirements, technical specifications, and generic requirements for DigiRing service terminated at the customer's designated locations are referenced in Technical Reference ANSI T1.404-1989, and ANSI T1.403-1989.
- G. DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342.
- H. DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054.
- I. DigiRing service DS3 high capacity service channels have a performance objective of 99.5 percent error-free seconds over a continuous twenty-four hour period. Self-healing multi-nodal DS1 high capacity service channels have a performance objective of 99.95 percent error-free seconds over a continuous twenty-four hour period.
- J. DigiRing service OC-3, OC-3+, OC-12, OC-48+, OC-192 or OC-192+ capacity installed on or after June 3, 1994, is also available with DigiXconn service Customer Network Management (CNM) under the rates and regulations set forth following. DigiXconn service CNM is available with two options: (1) Surveillance or (2) Reconfiguration. Customers wishing to incorporate either of these capabilities into their DigiRing service should advise the Telephone Company at the time the initial service is requested. When the customer requests to add either DigiXconn service option subsequent to the initial service installation, a DigiRing service Rearrangement charge applies as set forth in 7.5.14 following. Customers who desire to only monitor their rings may order only Surveillance. However, customers who order Reconfiguration must already be subscribing to Surveillance or be ordering Surveillance coincident with Reconfiguration. Reconfiguration may not be ordered without Surveillance.

Reconfiguration is provided on a STS-1 basis. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). Customers who wish to utilize this service to reconfigure DS1 interfaces must purchase the DigiXconn service Reconfiguration option for all DS1 interfaces associated with the STS-1 group with which the customer desires to have equipped with DigiXconn service capability.

When the customer orders Reconfiguration, the customer must order a sufficient quantity of DigiRing service channel interfaces at every Customer Node and Central Office Node where reconfiguration capability is desired.

**B7.7.2 Application of Rates**

- A. Monthly rates and charges as specified in B7.7.4 following apply for each DigiRing service. Customers must specify network capacity at the time of the initial order. In an Overlay Ring Arrangement where a customer's overlaying DigiRing service rides the customer's host DigiRing service, the overlay ring will share the transport of the host ring between common node locations. Rate categories at OC-3, OC-3+, OC-12, OC-48, **OC-48+ and OC-192+** capacity levels include Customer Nodes, Central Office Nodes, Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels.. Channel Interfaces are required at each node on the

**B7. DIGITAL NETWORK SERVICE****B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service (Cont'd)****B7.7.2 Application of Rates (Cont'd)****A. (Cont'd)**

network and must be associated with a DigiRing<sup>®</sup> service. An OC-3 Overlay Ring Arrangement requires an OC-3 Channel Interface at each node involved. An OC-3+ or OC-12 Overlay Ring Arrangement requires an OC-12 Channel Interface at each node involved. ***An OC-48/OC48+ Overlay Ring arrangement requires an OC-48 Channel Interface at each node involved.*** In Overlay Ring Arrangements, the customer must order a Channel Interface for each entry to or exit from the host ring. In all other situations, the number of Channel Interfaces ordered will depend on whether the customer desires a working interface, or a working interface and a protection interface. The quantity of channel interfaces ordered may not exceed the capacity ordered. When a 28 DS1 Channel System is utilized to activate DS1 channels, the appropriate number of DS1 Channel Interfaces are required in lieu of an originating or terminating DS3 Channel Interface. ***DigiRing<sup>®</sup> service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface).***

- B.** Nonrecurring charges for Local Channels, Alternate Central Office Channels, Interoffice Channels, Internodal Channels, Nodes and Channel Interfaces apply for each channel. If the Company rearranges the alternate route, nonrecurring charges do not apply for the second Local Channel. Recurring charges for Local, Alternate Central Office, Interoffice and Internodal Channels apply for each quarter air mile increment of the channel. Fractions of a quarter mile will always round up to the next quarter air mile before determining the mileage and applying the rate. For channels which are less than one quarter mile, a minimum charge of one quarter mile applies.
- C.** For Internodal Channels, charges apply as appropriate either for the same wire center area or contiguous serving wire center areas, as specified in B7.7.4.A.4.
- D.** DigiRing service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a DigiRing<sup>®</sup> service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel. When an optical circuit is provisioned as concatenated at the time the circuit is installed, there is no additional charge for provisioning it as concatenated. When an existing non-concatenated optical circuit is requested to be reconfigured as concatenated, a concatenation rearrangement charge shall apply. This rearrangement charge shall also apply for existing concatenated circuits that are requested to be converted to non-concatenated.
- E.** DigiRing<sup>®</sup> service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface) For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582. The interface rates for asymmetrical arrangements are the same as the rates for symmetrical arrangements except as follows:

For lower level DS1 interfaces in an asymmetrical arrangement with an STS-1 interface, the DS1 within an STS-1 Asymmetrical Arrangement interface rate element applies in lieu of the STS-1 interface for the higher level termination.

For lower level DS1 interfaces in an asymmetrical arrangement with a DS3 interface, the DS3 (Asymmetrical with DS1) interface rate element applies in lieu of the DS3 interface for the higher level termination of the asymmetrical arrangement

**B7. DIGITAL NETWORK SERVICE****B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service (Cont'd)****B7.7.2 Application of Rates (Cont'd)**

- F. In addition, customers with DS3 interfaces at the Customer Node electing to connect with DS1 services at a Central Office Node, must obtain a 28 DS1 Channel System, and the appropriate number of DS1 Channel Interfaces. *The applicable rate elements for this arrangement are a DS3 Interface at the Customer Node and a 28 DS1 Channel System with DS1 Interfaces at the Central Office Node. The DigiRing® service 28 DS1 Channel System does not require a DS3 interface at the Central Office Node.* A maximum of 28 DS1 Channel Interfaces can be activated for each 28 DS1 System utilized. Nonrecurring charges apply for each 28 DS1 Channel at a Central Office Node. Nonrecurring charges also apply for each DS1 Channel Interface in a 28 DS1 Channel System. The recurring rate applies for each 28 Channel System and each DS1 Channel Interface activated per Central Office Node.
- G. In order to accommodate more flexible customer situations, DigiRing service is available under several payment plans: 36 Month Term Payment Plan (24-48 months), 60 Month Term Payment Plan (49-72 months), or 84 Month Term Payment Plan (73-96 months). The 36, 60, and 84 Month Term Payment Plans are provided under conditions specified in the Channel Services Payment Plan, (CSPP), B2.4.9 preceding, except as modified following. For all payment plans, the following regulations apply:
1. All rate elements, except Channel Interfaces for a given DigiRing service, whether initially or subsequently ordered, must be provided under the same payment plan with the same service period and are coterminous upon disconnect of the DigiRing service. Channel Interfaces may be ordered under payment plans equal to or less than the selected payment period for the given DigiRing service.
  2. The rates applicable to a month-to-month payment plan are subject to Company initiated changes.
  3. A termination charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The applicable charge is equal to the number of months remaining in the rate stabilized service period times fifty percent of the monthly rates for DigiRing service which include all Nodes, Channel Interfaces, Local Channels, Alternate Central Office Channels, Internodal Channels and/or Interoffice Channels provided under the CSPP arrangement. For services under the month-to-month payment plan, a termination charge is equal to the number of months remaining in the twelve month minimum times the month-to-month rates in effect for DigiRing service at the time of termination.
  4. When a service period under an existing CSPP arrangement is completed and a customer elects to revert to a month-to-month payment option, no minimum period is applicable.
  5. Additions of services or rate elements, for activating spare or unused capacities of a DigiRing service under a CSPP arrangement, must be activated at the same rates and charges specified under the existing CSPP arrangement. Channel interfaces may be ordered as specified in 1. preceding.
  6. Additions of services or rate elements, i.e. new local channels, interoffice channels, etc., other than for activating spare or unused capacities, must be under a new CSPP arrangement at rates and charges as specified in 1. preceding. The new CSPP arrangement must be at least 24 months and must be coterminous with the CSPP arrangement for the existing DigiRing service.
  7. All customers ordering a new DigiRing service or upgrading existing DigiRing service under a Channel Services Payment Plan (CSPP) by October 12, 1995, with a Service Establishment Date of no later than February 21, 1996, will benefit from a special promotional offering to waive nonrecurring charges associated with ring level billing.

Ring level billing is defined as billing for the following rate elements: Local Channel, Interoffice Channel, Internodal Channel, Alternate Central Office Channel, Customer Node and Central Office Node. Billing for Customer Channel Interfaces and Central Office Channel Interfaces recurring and nonrecurring charges will be effective upon activation to the DigiRing service.

**B7. DIGITAL NETWORK SERVICE****B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service (Cont'd)****B7.7.2 Application of Rates (Cont'd)****G. (Cont'd)****7. (Cont'd)**

In addition, termination charges are also waived for upgrades to DigiRing services, under the terms and conditions set forth in B2.4.9 preceding. Specific requirements must be satisfied in order for charges to be waived as follows:

- a. Nonrecurring charges set forth in B3.3 of this Price List will be waived when a customer reconfigures existing Company provided network services that are groomed or rolled over onto a new DigiRing service or upgraded from existing DigiRing service.
- b. The customer's DigiRing service, to which the network services are reconfigured, must be ordered under a CSPP. However, individual DS1 and/or DS3 channel interfaces associated with DigiRing service may be provided under month-to-month terms if the existing services were provided under month-to-month rates.
- c. Special promotional waivers will be processed as projects for each customer designated location, and all associated connect and disconnect orders must be placed at the same time. Reconfiguration work must be completed within twelve months of the customer order date. Only one reconfiguration plan will be permitted per customer location.
- d. Special promotional waivers shall not apply when the service is moved by the customer from one location to another.
- e. In the event the DigiRing service is disconnected at the customer's request prior to the expiration of the CSPP, full nonrecurring charges associated with ring level billing will apply.

**H.** DigiRing service Local Channel, Alternate Central Office Channel and Internodal Channel rates are distance sensitive. They are measured per quarter airline mile or fraction thereof from the customer's designated premises to the Serving Wire Center, Alternate Central Office, or other Customer Nodes. V&H coordinates are derived for each customer location through the use of longitude and latitude measurements. Using the V&H coordinate method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. PRICE LIST F.C.C. No. 4, compute the mileage, convert to quarter miles, and multiply the appropriate per quarter mile rate by the distance involved. Any portion of a quarter mile will always round up to the next quarter mile before determining the mileage and applying the rate. For channels which are less than one quarter mile, a minimum charge of one quarter mile applies.

**I.** The DigiRing service Interoffice Channel mileage is calculated per quarter airline mile between two directly connected central offices on the ring. Interoffice Channel mileage is computed by using the V&H coordinates method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. PRICE LIST F.C.C. No. 4. To determine the rate to be billed, multiply the appropriate per quarter mile rate by the distance involved. Fractions of a quarter mile always round up to the next quarter mile before determining the mileage and applying the rate. For channels which are less than one quarter mile, a minimum charge of one quarter mile applies.

**J.** A nonrecurring charge applies for DigiRing service Surveillance, one for each Customer Node and each Central Office Node, per DigiRing service rearranged. A nonrecurring charge applies for Reconfiguration, one per reconfiguration of each STS-1 group at each node where such reconfiguration capability is desired. These rate elements apply when the Customer adds DigiXconn service to an existing DigiRing service.

**B7.7.3 Architecture****A. DigiRing Service**

The DigiRing service configuration utilizes a multi-nodal ring architecture which is specified jointly by the Company and the customer. The minimum configuration provides dedicated DS3 (44.736 Mbps) and/or DS1 digital services and must include at least three nodes. One node must be a Central Office Node in a Company Central Office. The remaining two nodes may be either Central Office Nodes in a Company Central Office(s) or Customer Nodes at customer designated



**B7. DIGITAL NETWORK SERVICE****B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service (Cont'd)****B7.7.3 Architecture (Cont'd)****A. DigiRing Service (Cont'd)**

location(s), or one of each. Additional nodes above the three node minimum may be any combination thereof. Additional nodes may be any combination thereof. The maximum number of nodes will be determined based on equipment capability. The nodes are connected by DigiRing service Local Channels, Alternate Central Office Channels, Interoffice Channels and Internodal Channels as applicable. DigiRing service may be connected to other high capacity services only at Central Office Nodes.

Applicable rate elements for this service are:

- Customer Nodes provide ring switching capabilities at customer designated locations other than Telephone Company Premises that are part of DigiRing<sup>®</sup> service. This rate element offers OC-3, OC-3+, OC-12, OC-48, OC-48+, **OC-192** or OC-192+ network capacities. A summary of the channel interfaces available with each node are specified in B7.7.1 preceding.
- Customer Channel Interface provides DS1, DS3, STS-1, OC-3, OC-12, OC-48, **10 Mbps, 100 Mbps, Fractional 1000 Mbps** and/or 1000 Mbps connectivity that may take place at each Customer Node of DigiRing service. The Customer Channel Interface rate element applies for every interface capacity that originates or terminates at a Customer Node.
- Central Office Node (at least one), provides ring switching capabilities at Company Central Offices that are a part of DigiRing service. This rate element offers OC-OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ network capacities. A summary of the channel interfaces available with each node are specified in B7.7.1 preceding.
- Central Office Channel Interface provides DS1, DS3, STS-1, OC-3, OC-12, OC-48, **10 Mbps, 100 Mbps, Fractional 1000 Mbps** and/or 1000 Mbps connectivity that may take place at each Central Office Node located on DigiRing service. The Central Office Channel Interface rate element applies for every interface capacity that originates or terminates at a Central Office Node. Customers with DS3 or STS-1 interfaces at the Customer Node, electing to connect with DS1 services at a Central Office Node, must obtain a 28 DS1 Channel System. STS-1 interfaces may only connect to other compatible STS-1 services.
- Local Channel (at least one for each Customer Node which is directly connected to the serving wire center), provides for the communications path between a Customer Node and the serving wire center of the premises where located.
- Alternate Central Office Channel (at least one for each Customer Node which is directly connected to an Alternate Central Office), provides for the communications path, where requested, between a Customer Node and an Alternate Central Office.
- Interoffice Channel (one for each path between each two directly connected Company Central Offices) provides for the communications path between directly connected Company Central Offices located on a DigiRing service.
- Internodal Channel (one for each path between two directly connected Customer Nodes), provides for the communications path, where requested, between two directly connected Customer Nodes located (a) in the same Serving Wire Center area or (b) in the same Office Park/Campus Environment or contiguous property, located in contiguous Serving Wire Center areas.
- Channel Interface Capacity Reallocation (one per node per occurrence), allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces. For example, a customer may initially allocate, activated or spare, eighty-four DS1s at each node on the ring and may subsequently request Channel Interface Capacity Reallocation to drop one DS3 and fifty-six DS1s at each node, or other combination of DS3s and/or DS1s equivalent to an OC-3 network capacity.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 55  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service (Cont'd)**

**B7.7.3 Architecture (Cont'd)**

**A. DigiRing Service (Cont'd)**

- DigiRing service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a DigiRing service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel.
- DigiRing service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface) For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582.
- When the distance between nodes on a DigiRing service (a.k.a. BellSouth SPA Dedicated Ring) is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. A Regeneration Node will appear on a customer's records as a non-rated USOC, as follows:

Regeneration Node, all ring capacities, non-rated

**USOC  
SHNRD**

**B7.7.4 Rates and Charges**

**A. Self-healing Multi-nodal Alternate Route Topology Ring (DigiRing Service)**

1. Local Channel Mileage Rates  
(All Capacities)

		<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>24 to 48 Months</b>	<b>49 to 72 Months</b>	<b>73 to 96 Months</b>	<b>USOC</b>
(a)	Per Local Channel	<b>\$500.00</b>	-	-	-	-	<b>1HVXX</b>
(b)	Per quarter air mile	-	<b>95.00</b>	<b>83.00</b>	<b>73.00</b>	<b>68.00</b>	<b>1HVAX</b>

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 56  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring  
(DigiRing) Service (Cont'd)**

**B7.7.4 Rates and Charges (Cont'd)**

**A. Self-healing Multi-nodal Alternate Route Topology Ring (DigiRing Service) (Cont'd)**

**2. Alternate Central Office Channel Mileage Rates  
(All capacities)**

	<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>24 to 48 Months</b>	<b>49 to 72 Months</b>	<b>73 to 96 Months</b>	<b>USOC</b>
(a) Alternate C.O. Channel, per channel	<b>\$500.00</b>	-	-	-	-	<b>1HAXX</b>
(b) Per quarter air mile	-	<b>685.00</b>	<b>280.00</b>	<b>175.00</b>	<b>140.00</b>	<b>1HAAX</b>
<b>3. Interoffice Channel Mileage Rates</b>						
(a) Fixed, OC-3 capacity	<b>190.00</b>	<b>50.00</b>	<b>36.00</b>	<b>32.00</b>	<b>27.00</b>	<b>1HXFX</b>
(b) Fixed, OC-12 capacity	<b>190.00</b>	<b>145.00</b>	<b>130.00</b>	<b>115.00</b>	<b>105.00</b>	<b>1HXFX</b>
(c) Per quarter air mile (OC-3 capacity)	-	<b>45.00</b>	<b>32.00</b>	<b>23.00</b>	<b>18.00</b>	<b>1HXAX</b>
(d) Per quarter air mile (OC-12 capacity)	-	<b>50.00</b>	<b>36.00</b>	<b>30.00</b>	<b>23.00</b>	<b>1HXAX</b>
(e) Fixed, OC-3+ capacity	<b>190.00</b>	<b>145.00</b>	<b>130.00</b>	<b>115.00</b>	<b>105.00</b>	<b>1HXFX</b>
(f) Fixed, OC-48 and OC-48+ capacity	<b>190.00</b>	<b>340.00</b>	<b>270.00</b>	<b>260.00</b>	<b>250.00</b>	<b>1HXFX</b>
(g) Fixed, <b>OC-192 and</b> OC-192+ capacity	<b>240.00</b>	<b>770.00</b>	<b>635.00</b>	<b>610.00</b>	<b>590.00</b>	<b>1HXFX</b>
(h) Per quarter air mile (OC-3+ capacity)	-	<b>50.00</b>	<b>36.00</b>	<b>30.00</b>	<b>23.00</b>	<b>1HXAX</b>
(i) Per quarter air mile (OC-48 and 48+ capacity)	-	<b>50.00</b>	<b>36.00</b>	<b>30.00</b>	<b>23.00</b>	<b>1HXAX</b>
(j) Per quarter air mile ( <b>OC-192 and</b> OC192+ capacity)	-	<b>50.00</b>	<b>36.00</b>	<b>30.00</b>	<b>23.00</b>	<b>1HXAX</b>
<b>4. Internodal Channel Mileage Rates (All Capacities)</b>						
(a) Per Internodal Channel, Same Wire Center area	<b>500.00</b>	-	-	-	-	<b>1HNXX</b>
(b) Per quarter air mile, Same Wire Center	-	<b>1,400.00</b>	<b>535.00</b>	<b>415.00</b>	<b>345.00</b>	<b>1HNWX</b>
(c) Per Internodal Channel, Same Office Park/Campus Environment in Contiguous Serving Wire Center areas	<b>500.00</b>	-	-	-	-	<b>1HNZX</b>
(d) Per quarter air mile, same Office Park/Campus Environment in contiguous Serving Wire Center areas	-	<b>1,600.00</b>	<b>650.00</b>	<b>465.00</b>	<b>390.00</b>	<b>1HNCX</b>
<b>5. Customer Node (per Node)</b>						
(a) OC-3 capacity	<b>440.00</b>	<b>2,200.00</b>	<b>990.00</b>	<b>900.00</b>	<b>810.00</b>	<b>SHNC3</b>
(b) OC-3+ capacity	<b>440.00</b>	<b>2,700.00</b>	<b>1,845.00</b>	<b>1,575.00</b>	<b>1,350.00</b>	<b>SHNN5</b>
(c) OC-12 capacity	<b>465.00</b>	<b>3,400.00</b>	<b>1,980.00</b>	<b>1,800.00</b>	<b>1,575.00</b>	<b>SHNC1</b>
(d) OC-48 capacity	<b>465.00</b>	<b>5,220.00</b>	<b>4,410.00</b>	<b>4,050.00</b>	<b>3,510.00</b>	<b>SHNN8</b>
(e) OC-48+ capacity	<b>465.00</b>	<b>5,850.00</b>	<b>4,410.00</b>	<b>4,050.00</b>	<b>3,510.00</b>	<b>SHNN9</b>
(f) OC-192 capacity	<b>540.00</b>	<b>25,000.00</b>	<b>9,375.00</b>	<b>8,250.00</b>	<b>7,300.00</b>	<b>SHNN6</b>
(g) OC-192+ capacity	<b>540.00</b>	<b>25,000.00</b>	<b>9,375.00</b>	<b>8,250.00</b>	<b>7,300.00</b>	<b>SHNN2</b>

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 57  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service (Cont'd)**

**B7.7.4 Rates and Charges (Cont'd)**

A. Self-healing Multi-nodal Alternate Route Topology Ring (DigiRing Service) (Cont'd)

6. Customer Channel Interface (per Node)

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per DS1	\$175.00	\$35.00	\$30.00	\$25.00	\$20.00	SHNB
(b) Per DS3	130.00	170.00	135.00	130.00	125.00	SHNZ
(c) Per STS-1	190.00	220.00	170.00	150.00	140.00	SHN13
(d) Per OC-3, 2 fiber	190.00	255.00	190.00	170.00	160.00	SHN1D
(e) Per OC-3, 4 fiber	190.00	515.00	380.00	340.00	320.00	SHN15
(f) Per OC-12, 2 fiber	400.00	745.00	515.00	475.00	440.00	SHN1F
(g) Per OC-12, 4 fiber	400.00	1,490.00	1,030.00	950.00	880.00	SHN19
(h) Per OC-48, 2 fiber	420.00	1,600.00	1,325.00	1,215.00	1,050.00	SHN1A
(i) Per OC-48, 4 fiber	420.00	3,200.00	2,650.00	2,430.00	2,100.00	SHN1B
(j) Per DS1 within an STS-1 Asymmetrical Arrangement	330.00	25.00	22.00	20.00	18.00	SHNBS
(k) Per DS3 (Asymmetrical with DS1)	360.00	550.00	450.00	400.00	350.00	SHN1T
(l) Per 1000 Mbps	400.00	740.00	520.00	475.00	425.00	SHN1K
(m) Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHN1M
(n) Per 100 Mbps	450.00	540.00	210.00	190.00	170.00	SHN1N
(o) Per Fractional 1000 Mbps						
- 50 Mbps	450.00	520.00	190.00	170.00	150.00	SHN1O
- 150 Mbps	450.00	560.00	230.00	210.00	190.00	SHN1P
- 300 Mbps	450.00	600.00	300.00	280.00	260.00	SHN1R
- 450 Mbps	450.00	640.00	340.00	310.00	290.00	SHN1U
- 600 Mbps	450.00	700.00	380.00	340.00	320.00	SHN1V
(p) Per Flex DS1	360.00	45.00	34.00	27.00	25.00	SHN1Q
7. Central Office Node (per Node)						
(a) OC-3 capacity	410.00	1,400.00	990.00	900.00	810.00	SHNH3
(b) OC-3+ capacity	410.00	2,250.00	1,845.00	1,575.00	1,350.00	SHNH5
(c) OC-12 capacity	465.00	2,600.00	1,980.00	1,800.00	1,575.00	SHNH1
(d) OC-48 capacity	465.00	4,860.00	4,410.00	4,050.00	3,510.00	SHNH8
(e) OC-48+ capacity	465.00	5,490.00	4,410.00	4,050.00	3,510.00	SHNH9
(f) OC-192 capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNH7
(g) OC-192+ capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNH6

INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 58  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (DigiRing) Service (Cont'd)**

**B7.7.4 Rates and Charges (Cont'd)**

**A. Self-healing Multi-nodal Alternate Route Topology Ring (DigiRing Service) (Cont'd)**

**8. Central Office Channel Interface (per Central Office Node)**

(a)	Per DS1	125.00	35.00	30.00	25.00	20.00	SHNCB
(b)	Per DS3	185.00	115.00	85.00	80.00	75.00	SHNYT
(c)	Per STS-1	185.00	150.00	105.00	100.00	90.00	SHNO2
(d)	Per OC-3, 2 fiber	375.00	255.00	190.00	170.00	160.00	SHNCD
(e)	Per OC-3, 4 fiber	375.00	515.00	380.00	340.00	320.00	SHNO4
(f)	Per OC-12, 2 fiber	600.00	745.00	515.00	475.00	440.00	SHNCF
(g)	Per OC-12, 4 fiber	600.00	1,490.00	1,030.00	950.00	880.00	SHNC9
(h)	Per OC-48, 2 fiber	650.00	1,600.00	1,325.00	1,215.00	1,050.00	SHNCJ
(i)	Per OC-48, 4 fiber	650.00	3,200.00	2,650.00	2,430.00	2,100.00	SHNCK
(j)	Per 28 DS1 Channel System (DS3)	180.00	650.00	550.00	500.00	450.00	SHNW8
(k)	Per 28 DS1 Channel System (STS-1)	185.00	750.00	650.00	600.00	575.00	SHNCS
(l)	Per DS1 on 28 DS1 Channel System (DS3)	155.00	12.00	8.00	7.00	6.00	SHNCA
(m)	Per DS1 on 28 DS1 Channel System (STS-1)	155.00	40.00	35.00	30.00	25.00	SHNCG
(n)	Per DS1 within an STS-1 Asymmetrical Arrangement	360.00	25.00	22.00	20.00	18.00	SHNCH
(o)	Per DS3 (Asymmetrical with DS1)	400.00	550.00	450.00	400.00	350.00	SHNCT
(p)	Per 1000 Mbps	400.00	740.00	520.00	475.00	425.00	SHNCW
(q)	Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHNCM
(r)	Per 100 Mbps	450.00	540.00	210.00	190.00	170.00	SHNCN
(s)	Per Fractional 1000 Mbps						
	- 50 Mbps	450.00	520.00	190.00	170.00	150.00	SHNCO
	- 150 Mbps	450.00	560.00	230.00	210.00	190.00	SHNCP
	- 300 Mbps	450.00	600.00	300.00	280.00	260.00	SHNCR
	- 450 Mbps	450.00	640.00	340.00	310.00	290.00	SHNCU
	- 600 Mbps	450.00	700.00	380.00	340.00	320.00	SHNCV
(t)	Per Flex DS1	250.00	40.00	30.00	25.00	20.00	SHNCQ

**9. Channel Interface Capacity Reallocation**

(a)	Per Node, Per occurrence					<b>Nonrecurring Charge</b>	<b>USOC</b>
						<b>\$280.00</b>	<b>SHRBC</b>

**10. Concatenation Rearrangement Charge**

		<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>		<b>USOC</b>
			<b>Initial</b>	<b>Subsequent</b>	
(a)	Per OC-3, OC-12 or OC-48 optical circuit rearranged as concatenated or non-concatenated subsequent to the initial installation of the circuit	\$-	\$-	\$500.00	NRCCN

**11. DigiRing Service Rearrangement**

(a)	Surveillance, Per Node, Per DigiRing service	\$-	\$-	\$255.00	SHNRR
(b)	Reconfiguration, Per STS-1 group, per Node	\$-	\$-	\$365.00	SHNRI

**B7. DIGITAL NETWORK SERVICE****B7.8 Reserved For Future Use****B7.9 DigiServ Plus Service****B7.9.1 General**

- A. DigiServ Plus service is furnished for Private Line IntraLATA interexchange Communications by the Company.
- B. DigiServ Plus service is a service for transmission of digital signals only and uses only digital transmission facilities.
- C. DigiServ Plus service is a fiber-based high capacity network service providing a 1.544 Mbps transport link with high performance and reliability parameters. This service utilizes structurally diverse loop facilities designed to limit single points of failure between a customer's location and its normal serving wire center.
- D. DigiServ Plus service is available to customer locations where existing loop facilities are fiber-based and utilize structurally diverse routes. For locations where loop facilities are not available to satisfy customer requests for DigiServ Plus service, special construction charges will apply as set forth in Section B5. preceding.
- E. The technical specifications and standard network interfaces for DigiServ Plus service are contained in BellSouth Technical Reference Publication 73525. This publication is available from Regional Documentation Services, 600 North 19th Street, 20th Floor, Birmingham, Alabama 35203.

**B7.9.2 Regulations**

- A. Description of Service
  1. DigiServ Plus service utilizes a self-healing diverse fiber-based local channel (loop) transport link between a customer designated premises and the normal serving wire center.
  2. DigiServ Plus service is furnished on a link (partial) basis for connection at the normal serving wire center to another DigiServ Plus service, a Centrex Type service<sup>1</sup>, DigiServ channel service, DigiXconn service, or DigiRing service. Connectivity between DigiServ Plus service and these other services may be provided via a DigiServ service Interoffice Channel between central offices.
  3. All appropriate rates, charges, rules and regulations specified in other Price List sections for connected services are in addition to those for DigiServ Plus service specified in this Price List.
  4. Performance objectives for DigiServ Plus service between the customer's location and the serving wire center are as follows:
    - a. Meet or exceed 99.98 percent Circuit Availability.
    - b. Meet or exceed 99.95 percent Error Free Seconds.
    - c. Meet or exceed .010 Severely Errored Seconds.

The objectives apply except when a customer's equipment and/or cabling is disconnected and/or inoperative, or when a DigiServ service Interoffice Channel is used in conjunction with a DigiServ Plus service Local Channel. Consult TR73525 for additional information concerning service performance objectives.
  5. Performance guarantees for DigiServ Plus service are as follows:
    - a. Service Installation
 

The Company will meet negotiated due date or credit an amount equal to the month-to-month payment plan nonrecurring charge according to the Service Installation Guarantee provisions described in B2.4.17 preceding.
    - b. Service Continuity
 

In the event of primary failure, service is guaranteed to switch to an alternate facility path in sixty seconds or less. Failure to meet this guarantee will result in a credit as described in E.3. following where the trouble is in the local loop facility on public right-of-way.

Note 1: Connection from DigiServ Plus service to Centrex Type services may not be available from all Serving Wire Centers.

**B7. DIGITAL NETWORK SERVICE****B7.9 DigiServ Plus Service (Cont'd)****B7.9.2. Regulations (Cont'd)****B.** Definitions

## DigiServ PLUS SERVICE LOCAL CHANNEL

The DigiServ Plus service Local Channel provides for the connection between a customer's designated premises to their serving wire center.

**C.** Application of Rates

1. Monthly rates and charges as specified in B7.9.3.A. following apply for each DigiServ Plus service local channel.
2. Recurring and nonrecurring rates and charges apply for each DigiServ Plus service. Nonrecurring charges will not apply for the DigiServ Plus service Local Channel rate element when DigiServ Plus service is furnished under a payment plan other than month-to-month. Available payment plans are described in 3. following.
3. DigiServ Plus service is available under several payment plans: Month-to-month (with a one month minimum), Plan A (24-48 Months), Plan B (49-72 Months), and Plan C (73-96 Months) under conditions specified in the Channel Services Payment Plan (CSPP) in B2.4 preceding.
4. Month-to-month payment plan rates are subject to Company initiated changes. DigiServ Plus service rates provided under a CSPP arrangement are exempt from Company initiated rate increases for the duration of the payment plan length selected; however, decreases on recurring rates will flow through to the customer.
5. A termination charge is applicable at the date of termination. The applicable charge is dependent on the contract period subscribed to and will be equal to the number of months remaining in the contract times fifty percent (50%) of the monthly rate provided under the contract. However, termination charges will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in B2.4.9 preceding, or for customer requested changes of service under CSPP to Fast Packet Transport Services under the Fast Packet Transport Services Payment Plan subject to the provisions set forth in B2.4.9.A.4.b..
6. A service performance credit as specified in E.3 following will apply.

**D.** Connections

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to DigiServ Plus service when such connection is made in accordance with the provisions specified in 2. and 3. following.
2. Responsibility of the Company
  - a. The responsibility of the Company shall be limited to the furnishing and maintenance of DigiServ Plus service to a network interface on the customer's premises.
  - b. The Company shall not be responsible for installation, operation, or maintenance of any terminal equipment or communications system provided by a customer. DigiServ Plus service is not represented as adapted for the use of such equipment or system. Where such equipment or system is connected to Company facilities, the responsibility of the Company shall be limited to furnishing of facilities suitable for DigiServ Plus service and to the maintenance and operation in a manner proper for such digital service. The Company shall not be responsible for:
    - the through transmission of signals generated by such equipment or system, or for the quality of, or defects in, such transmission, or
    - the reception of signals by such equipment or systems, or
    - damage to terminal equipment or communication system provided by a customer or authorized user due to testing.
  - c. The Company shall not be responsible to the customer if changes in any of the facilities, operations, or procedures of the Company utilized in the provision of DigiServ Plus service render any facilities or equipment provided by the customer obsolete, or require modification or alteration of such equipment or system or otherwise affects its use or performance.
  - d. The Company undertakes to maintain and repair facilities which it furnishes. The customer may not rearrange, disconnect, remove, or attempt to repair any equipment installed by the Company without prior written consent of the Company.

**B7. DIGITAL NETWORK SERVICE****B7.9 DigiServ Plus Service (Cont'd)****B7.9.2 Regulations (cont'd)****D. Connections (Cont'd)**

## 3. Responsibility of the Customer

- a. The customer is responsible for installing and testing premises equipment or facilities to insure that when they are connected to DigiServ Plus service such equipment or facilities are operating properly.
- b. The operating characteristics of the customer premises equipment shall be such as to not interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer does not: endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or other facilities of the Company; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice that the equipment provided by a customer is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.
- c. The customer's responsibility shall include cooperative testing with the Company as may be necessary. Where regeneration and/or equalization adjustments or changes may be required to compensate for rearrangements and/or changes in outside plant facilities, the customer will be responsible for all expenses incurred in changes to his premises equipment.
- d. When DigiServ Plus service is connected at the serving wire center to another service which is provisioned with ANSI T1.403-1995 Extended Superframe Format (ESF) and/or Clear Channel Capability, the customer will be required to add the same format and/or line code standard to the DigiServ Plus service to ensure compatibility. Rates and regulations associated with Clear Channel Capability are located in B7.1 of this Price List.

**E. Payment Arrangements and Credit Allowances**

1. The minimum service period for DigiServ Plus service is one month.
2. Suspension of service is not allowed.
3. Failure by the Company to meet the performance guarantee described in A.5.b. preceding will result in a credit of an amount equal to the monthly rate billed for the service. Credit for interruptions of sixty (60) seconds or more will be applied through normal administrative processes and the dollar amount will be reflected on the customer's bill. A customer must report the outage in order to receive credit. The credit will apply no more than once per calendar month, and shall not exceed the monthly rate for the service.
4. DigiServ Plus service is eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in B2.4.17 preceding.



INTEREXCHANGE PRIVATE LINE SERVICES PRICE LIST

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 62  
Effective: December 31, 2008

**B7. DIGITAL NETWORK SERVICE**

**B7.9 DigiServ Plus Service**

**B7.9.3 Rates and Charges**

A. A DigiServ Plus service Local Channel is furnished between a customer's premises and the Serving Wire Center.

n1. DigiServ Plus service Local Channel, each<sup>1</sup>

		Nonrecurring Charge		Month to	Plan A	Plan B	Plan C	
		First	Add'l	Month	24 - 48	49 - 72	73 - 96	USOC
					Months	Months	Months	
	(a) 1.544 Mbps	645.00	530.00	168.00	157.00	146.00	140.00	P2JP1
B. DigiServ service Interoffice Channels are furnished between Central Offices to connect DigiServ Plus service Local Channels between two customer premises								
1. Interoffice Channel, each channel 0-8 miles <sup>2</sup>								
	(a) Fixed Monthly Rate	-	-	-	-	-	-	1LNG1
	(b) Each Airline Mile, or fraction thereof	-	-	-	-	-	-	1LNGA
2. Interoffice Channel, each channel 9-25 miles <sup>2</sup>								
	(a) Fixed Monthly Rate	-	-	-	-	-	-	1LNG2
	(b) Each Airline Mile, or fraction thereof	-	-	-	-	-	-	1LNGB
3. Interoffice Channel, each channel over 25 miles <sup>2</sup>								
	(a) Fixed Monthly Rate	-	-	-	-	-	-	1LNG3
	(b) Each Airline Mile, or fraction thereof	-	-	-	-	-	-	1LNGC

**Note 1:** Nonrecurring charges do not apply to DigiServ Plus service Local Channels provided under a contract plan.

**Note 2:** Refer to B7.1.3.B for applicable nonrecurring charges and recurring rates.

**B7. DIGITAL NETWORK SERVICE****B7.9 DigiServe Plus Service (Cont'd)****B7.9.3 Rates and Charges (Cont'd)****C. Service Rearrangements**

If the change involves changing a customer's DigiServ service to DigiServ Plus service, the change will be considered a disconnect of the existing service and full nonrecurring charges will apply for the DigiServ Plus service, as appropriate<sup>1</sup>. Changes from DigiServ service to DigiServ Plus service will be considered an upgrade with regard to application of termination liability charges in accordance with the CSPP provisions provided in B2.4 preceding.

**D. Moves**

1. A move involves a change in the physical location of one of the following:
  - a. The point of interface at the customer premises.
  - b. The customer's premises.
2. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

**a. Moves Within the Same Building**

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the month-to-month nonrecurring charge. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the month-to-month service.

**b. To a Different Building**

When the move is to a new location in Company territory within the same state, the charge for the move is equal to the sum of all nonrecurring charges applicable to a new DigiServ Plus service month-to-month service arrangement at the new location.

When the move is to a new location in Company territory in a different state, the move will be treated as a discontinuance and start of service. The customer will be responsible for satisfying all outstanding minimum period charges for the discontinued service. All applicable nonrecurring charges at the new location will apply.

**Note 1:** Nonrecurring charges do not apply to DigiServ Plus service Local Channels provided under a contract plan.

**B7. DIGITAL NETWORK SERVICE****B7.10 DigiServ Light Service****B7.10.1 General**

- A. DigiServ Light service is furnished for Private Line IntraLATA interexchange Communications by the Company.
- B. DigiServ Light service is a service for transmission of digital signals only and uses only digital transmission facilities.
- C. DigiServ Light service is a fiber-based high capacity network service providing a 1.544 Mbps (DS1) transport link.
- D. DigiServ Light service provides for the simultaneous two-way transmission of serial, Bipolar Return-to-Zero (BPRZ) isochronous digital signals, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format, at DS1 speeds of 1.544 Mbps, and is available to customer locations where existing loop facilities are fiber-based. The rates specified for DigiServ Light service in B.7.10.3 following, contemplate the provision of a digital quality facility via existing exchange facilities compatible with this service. When DigiServ Light service is requested at locations where loop facilities are not available to satisfy customer requests for DigiServ Light service, special construction charges will apply as set forth in Section B5. preceding.
- E. The performance objectives, technical specifications and standard network interfaces for DigiServ Light service are contained in BellSouth Technical Reference Publication 73525. The performance objectives apply except when a customer's equipment and/or cabling is disconnected and/or inoperative, when customer provided power is disconnected and/or inoperative, or when a DigiServ Light service is extended beyond its normal Serving Wire Center. TR 73525 is available from Regional Documentation Services, 600 North 19th Street, 20th Floor, Birmingham, Alabama 35203.
- F. Unless specified following, the regulations for DigiServ Light service specified herein apply in addition to the regulations set forth in Section B2. preceding.

**B7.10.2 Regulations**

- A. Description of Service
  - 1. DigiServ Light service utilizes a fiber-based local channel (loop) transport link between a customer designated premises and its normal serving wire center.
  - 2. DigiServ Light service is furnished on a link (partial channel) basis for connection at the normal serving wire center to Centrex Type Services<sup>1</sup>, DigiServ channel service, DigiXconn service or DigiRing service. Connectivity between DigiServ Light service and these other services may be provided via a DigiServ service Interoffice Channel between central offices. Except for DigiServ service and DigiServ Plus service, those services connectable to a DigiServ service Interoffice Channel or a DigiServ Light service Local Channel may be utilized for completion of a customer's point-to-point channel service.
  - 3. All appropriate rates, charges, rules and regulations specified in other Price List sections for connected services are in addition to those for DigiServ Light service specified in this Price List.
  - 4. Performance objectives for DigiServ Light service between the customer's location and the serving wire center are as specified in BellSouth Technical Reference Publication 73525.
  - 5. Performance guarantees for DigiServ Light service are as follows:
    - a. Service Installation  
The Company will meet negotiated due date or credit an amount equal to the month-to-month payment plan nonrecurring charge according to the Service Installation Guarantee provisions described in B2.4.17 preceding.
    - b. Service Continuity  
Service outages in the local loop facility, will result in a credit as described in E.3. following where the trouble is in the local loop facility on public right-of-way.

**Note 1:** Connection from DigiServ Light service to Centrex Type Services may not be available from all serving wire centers.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 65  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### B7.10 DigiServ Light Service (Cont'd)

#### B7.10.2 Regulations (Cont'd)

##### B. Definitions

DigiServ Light Service Local Channel

The DigiServ Light service Local Channel denotes a path for DigiServ Light service furnished between the customer's premises and its normal serving wire center.

DS1

This denotes a channel service in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps data transmission rate, and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required interface specifications are contained in BellSouth Technical Reference Publication 73525.

##### C. Application of Rates

1. DigiServ Light service Local Channels will be charged for at rates based on the first half mile and each additional half mile for the airline distance measured between the customer's premises and its normal Serving Wire Center.
2. Recurring and nonrecurring rates and charges apply for each DigiServ Light service. Available payment plans are described in 3. following.
3. DigiServ Light service is available under several payment plans: Month-to-Month, Plan A (24-48 Months), Plan B (49-72 Months), and Plan C (73-96 Months) under conditions specified in the Channel Services Payment Plan (CSPP) in B2.4 preceding.
4. Month-to-Month payment plan rates are subject to Company initiated changes. DigiServ Light service rates provided under a CSPP arrangement, as specified in B2.4.9.B preceding, are exempt from Company initiated rate increases for the duration of the payment plan length selected; however, decreases on recurring rates will flow through to the customer. At the expiration date of the customer's payment period option, the customer may select a new payment period option at current rates or revert to current Month-to-Month rates. Renewal options for DigiServ Light service will be as specified in B2.4.9.A.7 preceding.
5. A Termination Charge (TC) is applicable at the date of termination. The applicable charge is dependent on the payment period subscribed to and will be equal to the number of months remaining in the payment period times fifty percent (50%) of the monthly rate applicable. However, a TC will not apply for; 1) moves of service subject to the provisions set forth in B7.10.3.B.5, 2) customer requested changes as specified in B2.4.9.A, or 3) customer requested change to services not covered by the CSPP that are offered by the Company under a contract payment plan.
6. When a customer requests B8ZS format be provided on a DigiServ Light service Local Channel, regulations and rates and charges appropriate for Clear Channel Capability (CCC) as specified for DigiServ service, located in B7.1 preceding, will apply.

##### D. Connections

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to DigiServ Light service when such connection is made in accordance with the provisions specified in 2. and 3. following.
2. Responsibility of the Company
  - a. The responsibility of the Company shall be limited to the furnishing and maintenance of DigiServ Light service to a network interface on the customer's premises.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 66  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### B7.10 DigiServ Light Service (Cont'd)

#### B7.10.2 Regulations (cont'd)

- D. Connections (Cont'd)**
2. (Cont'd)
    - b. The Company shall not be responsible for installation, operation, or maintenance of any terminal equipment or communications system provided by a customer. DigiServ Light service is not represented as adapted for the use of such equipment or system. Where such equipment or system is connected to Company facilities, the responsibility of the Company shall be limited to furnishing of facilities suitable for DigiServ Light service and to the maintenance and operation in a manner proper for such digital service. The Company shall not be responsible for:
      - the through transmission of signals generated by such equipment or system, or for the quality of, or defects in, such transmission, or
      - the reception of signals by such equipment or systems, or
      - damage to terminal equipment or communication system provided by a customer or authorized user due to testing.
    - c. The Company shall not be responsible to the customer if changes in any of the facilities, operations, or procedures of the Company utilized in the provision of DigiServ Light service render any facilities or equipment provided by the customer obsolete, or require modification or alteration of such equipment or system or otherwise affects its use or performance.
    - d. The Company undertakes to maintain and repair facilities which it furnishes. The customer may not rearrange, disconnect, remove, or attempt to repair any equipment installed by the Company without prior written consent of the Company.
  3. Responsibility of the Customer
    - a. The customer is responsible for installing and testing premises equipment or facilities to insure that when they are connected to DigiServ Light service such equipment or facilities are operating properly.
    - b. The operating characteristics of the customer premises equipment shall be such as to not interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer does not: endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or other facilities of the Company; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice that the equipment provided by a customer is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.
    - c. The customer's responsibility shall include cooperative testing with the Company as may be necessary. Where regeneration and/or equalization adjustments or changes may be required to compensate for rearrangements and/or changes in outside plant facilities, the customer will be responsible for all expenses incurred in changes to his premises equipment.
    - d. When DigiServ Light service is connected at the serving wire center to another service which is provisioned with ANSI T1.403-1995 Extended Superframe Format (ESF) and/or Clear Channel Capability, the customer will be required to add the same format and/or line code standard to the DigiServ Light service to ensure compatibility. Rates and regulations associated with Clear Channel Capability are located in B7.1 of this Price List.
    - e. It will be the responsibility of the customer to make a power supply available when required by the Company for its use, using Company-provided, location specific, specifications for termination, type and location.
- E. Payment Arrangements and Credit Allowances**
1. The minimum initial service period for DigiServ Light service is 24 months. Month-to-Month rates may be specified upon completion of the initial 24 month service period.
  2. Suspension of service is not allowed.

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 67  
Effective: December 31, 2008

## B7 DIGITAL NETWORK SERVICE

### B7.10 DigiServ Light Service

#### B7.10.2 Regulations (Cont'd)

- E. Payment Arrangements and Credit Allowances (Cont'd)
3. A service interruption of 30 minutes or more, attributable to the DigiServ Light service Local Channel portion of the customer's end-to-end service, will result in the credit of an amount as specified in a. through e. following. These credits are applicable to the Company's DigiServ Light service Local Channel portion of the customer's end-to-end service, where the trouble is in the Company's local channel facility on public right-of-way. Credits will be applied through normal administrative processes and the dollar amount will be reflected on the customer's bill. A customer must report the outage in order to receive service outage credit, and the total credit received in any month shall not exceed the monthly rate for the service.
    - a. For service interruptions of from 30 to 150 minutes duration, the customer will receive a credit of an amount equal to 25 percent of the Local Channel monthly recurring rate.
    - b. For service interruptions of from 151 to 210 minutes duration, the customer will receive a credit of an amount equal to 50 percent of the Local Channel monthly recurring rate.
    - c. For service interruptions greater than 210 minutes duration, the customer will receive a credit of an amount equal to 100 percent of the Local Channel monthly recurring rate.
    - d. Service outages of less than 30 minutes duration will not receive credit.
    - e. Service outage credits for services into which DigiServ Light service Local Channels are terminated will be as is appropriate for those other services.
  4. DigiServ Light service is eligible for credit of nonrecurring charges under provisions of the "Service Installation Guarantee" found in B2.4.17 preceding.

F. Service Changes

If the change involves changing a customer's DigiServ service Local Channel to a DigiServ Light service Local Channel, the change will be considered a disconnect of the existing service and full nonrecurring charges will apply for the DigiServ Light service, as appropriate. Changes from DigiServ service to DigiServ Light service will be considered an upgrade with regard to application of termination liability charges in accordance with the CSPP provisions provided in B2.4 preceding.

#### B7.10.3 Rates and Charges

A. Recurring Rates

1. A DigiServ Light service Local Channel is furnished between a customer's premises and its normal Serving Wire Center (SWC). Rates are based on the airline distance between the customer's premises and its normal SWC.

B. Nonrecurring Charges

1. Service Establishment Charges are applicable, for each DigiServ Light service Local Channel ordered, for receiving and recording information and/or taking action in connection with a customer's request, and processing the necessary data. These charges include engineering design, common centralized testing and coordination.
2. Service Change Charges are applicable for receiving and recording information and/or taking action in connection with a customer's Inside Move or Transfer of Service responsibility request, for processing the necessary data on an existing DigiServ Light service Local Channel. A Service Change Charge is applicable for each DigiServ Light service Local Channel associated with the customer request (in lieu of a Service Establishment Charge).

NORTH STATE TELEPHONE  
COMPANY  
High Point, North Carolina

Section 7  
Original Sheet 68  
Effective: December 31, 2008

## B7. DIGITAL NETWORK SERVICE

### B7.10 DigiServ Light Service

#### B7.10.3 Rates and Charges (Cont'd)

- B. Nonrecurring Charges (Cont'd)
3. A Premises Visit Charge is applicable, per DigiServ Light service Local Channel, for termination of the channel at a customer's premises or for Inside Moves. Only one Premises Visit Charge applies when more than one DigiServ Light service Local Channel is terminated or moved at the same premises, during the same visit.
  4. Connection charges are applicable for the connection and testing of DigiServ Light service Local Channels. The applicable charges are those nonrecurring charges specified in C.1. following.
  5. Moves
    - a. A move involves a change in the physical location of one of the following:
      - (1) the point of interface at the customer premises, or
      - (2) the customer's premises.
    - b. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.
      - (1) Moves Within the Same Building  
When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the nonrecurring charge. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the month-to-month service.
      - (2) To a Different Building  
When the move is to a new location in Company territory within the same state, the charge for the move is equal to the sum of all nonrecurring charges applicable to a new DigiServ Light service month-to-month service arrangement at the new location.  
When the move is to a new location in Company territory in a different state, the move will be treated as a discontinuance and start of service. The customer will be responsible for satisfying all outstanding minimum period charges for the discontinued service. All applicable nonrecurring charges at the new location will apply.

C. Rate and Charge Amounts

		Nonrecurring	Month to	24 to 48	49 to 72	73 to 96	
		Charge	Month	Months	Months	Months	USOC
1.	Local Channel, each						
	(a) First 1/2 Mile	\$314.50	\$170.00	\$160.00	\$155.00	\$150.00	1LDPL
	(b) Each additional 1/2 Mile, or fraction thereof	-	30.00	25.00	23.00	21.00	1LDPM
2.	Service Establishment Charge						
	(a) Each	556.50	-	-	-	-	MLLSE
3.	Service Change Charge, Inside Move						
	(a) Each	425.00	-	-	-	-	MLL1M
4.	Service Change Charge, Transfer of Responsibility						
	(a) Each	50.00	-	-	-	-	MLLTR
5.	Premises Visit Charge						
	(a) Each	38.75	-	-	-	-	MLLPV