

1.	<u>Application of Tariff</u>	1-1
2.	<u>General Regulations</u>	2-1
2.1	<u>Undertaking of the Telephone Company</u>	2-1
2.2	<u>Use</u>	2-11
2.3	<u>Obligations of the Customer</u>	2-13
2.4	<u>Payment Arrangements and Credit Allowances</u>	2-26
2.5	<u>Connections</u>	2-60
2.6	<u>Definitions</u>	2-60
3.	<u>Carrier Common Line Access Service</u>	3-1
3.1	<u>Limitations</u>	3-1
3.2	<u>Undertaking of the Telephone Company</u>	3-2
3.3	<u>Obligations of the Customer</u>	3-2
3.4	<u>Determination of Usage Subject to Carrier Common Line Access Charges</u> ...	3-3
3.5	<u>Resold Services</u>	3-3
3.6	<u>Coin Services</u>	3-4
3.7	<u>Rate Regulations</u>	3-7
4.	<u>RESERVED FOR FUTURE USE</u>	4-1
5.	<u>Access Ordering</u>	5-1
5.1	<u>General</u>	5-1
5.2	<u>Ordering Requirements</u>	5-5
5.3	<u>Access Orders For Services Provided By More Than One Telephone Company</u>	5-15
5.4	<u>Charges Associated with Access Ordering</u>	5-18

5.5	<u>Minimum Periods and Cancellations</u>	5-23
6.	<u>Switched Access Service</u>	6-1
6.1	<u>General</u>	6-1
6.2	<u>Provision and Description of Switched Access Feature Groups</u>	6-9
6.3	<u>Local Switching Optional Features</u>	6-10
6.4	<u>Transmission Specifications</u>	6-18
6.5	<u>Obligations of the Telephone Company</u>	6-18
6.6	<u>Obligations of the Customer</u>	6-19
6.7	<u>Rate Regulations</u>	6-21
7.	<u>Special Access Service</u>	7-1
7.1	<u>General</u>	7-1
7.2	<u>Rate Regulations</u>	7-13
7.3	<u>Surcharge for Special Access Service</u>	7-29
7.4	<u>Metallic Service</u>	7-34
7.5	<u>Telegraph Grade Service</u>	7-35
7.6	<u>Voice Grade Service</u>	7-36
7.7	<u>Program Audio Service</u>	7-44
7.8	<u>Video Service</u>	7-46
7.9	<u>Digital Data Service</u>	7-47
7.10	<u>High Capacity Service</u>	7-50
7.11	<u>Individual Case Filings</u>	7-55
8.	<u>RESERVED FOR FUTURE USE</u>	8-1
9.	<u>RESERVED FOR FUTURE USE</u>	9-1

10.	<u>Special Federal Government Access Services</u>	10-1
10.1	<u>General</u>	10-1
10.2	<u>Emergency Conditions</u>	10-2
10.3	<u>Facility Availability</u>	10-3
10.4	<u>Federal Government Regulations</u>	10-3
10.5	<u>Service Offerings to the Federal Government</u>	10-4
10.6	<u>Rates and Charges</u>	10-8
11.	<u>Special Facilities Routing of Access Services</u>	11-1
11.1	<u>Description</u>	11-1
12.	<u>Specialized Service or Arrangements</u>	12-1
12.1	<u>General</u>	12-1
13.	<u>Additional Engineering, Additional Labor and Miscellaneous Services</u>	13-1
13.1	<u>Additional Engineering</u>	13-2
13.2	<u>Additional Labor</u>	13-3
13.3	<u>Miscellaneous Services</u>	13-4
14.	<u>Exceptions to Access Service Offerings</u>	14-1
15.	<u>Access Service Interfaces and Transmission Specifications</u>	15-1
15.1	<u>Switched Access Service</u>	15-1
15.2	<u>Special Access Service</u>	15-24
15.3	<u>Directory Access Service</u>	15-56
16.	<u>RESERVED FOR FUTURE USE</u>	16-1
17.	<u>Rates and Charges</u>	17-1
17.1	<u>Carrier Common Line Access Service</u>	17-1

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company


Contents - 4

17.2	<u>Switched Access Service</u>	17-2
17.3	<u>Special Access Service</u>	17-5
17.4	<u>Other Services</u>	17-20

INDEX

	<u>Sheet</u>	
Acceptance Testing	6-8, 7-12	
Access Groups.....	3-1	
Access Order Change Chargers	5-21	
Access Order Charge	5-18	
Access Ordering	5-1, 17-20	
Access Orders For Services Provided By More Than One Telephone	5-15	
Access Service Interfaces and Transmission Specifications.....	15-1	
Access Services Provided By More Than One Telephone Company	2-44	
Additional Engineering.....	13-2, 17-21	
Additional Engineering, Additional Labor and Miscellaneous Ser	13-1	
Additional Labor.....	13-3, 17-22	
Alternate Use	7-11	
Application of Tariff.....	1-1	
Availability for Testing.....	2-14	
Avoidance	11-1	
Balance	2-14	
Billing of Charges.....	3-7	
Cable-Only Facilities.....	11-2	
Call Signaling.....	6-20	(N)
Cancellation of an Access Order.....	5-24	
Cancellation of an Order for Service	2-34	
Carrier Common Line Access Service	3-1, 17-1	
Change of Switched Access Service Arrangement Type	6-28	
Changes and Substitutions.....	2-7	
Channel Types.....	7-1	
Chargers Associated with Access Ordering.....	5-18	
Claims and Demands for Damages	2-16	
Coin Services.....	3-4	
<i>Collection and Remittance of Coin Station Monies.....</i>	<i>3-4</i>	
Common Switching.....	6-10	
Connections	2-60	
Coordination with Respect to Network Contingencies.....	2-9, 2-17	
Credit Allowance for Service Interruptions	2-35	

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: 
Joel Dohmeier, Vice-President

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

INDEX

Sheet

Damages	2-13
Data Transmission Parameters	15-20
Definitions	2-60
Description and Application of Rates and Charges	6-21
Design Layout Report	6-8, 7-11
Design of Customer Services	2-15
Design of Switched Access Services	6-20
Determination of Charges	3-8
Determination of Intrastate Charges for Mixed Interstate and I	2-24
Determination of Jurisdiction	3-3
Determination of Usage Subject to Carrier Common Line Access C	3-3
Development of Minimum Period Charges	5-23
Digital Data Service	7-47, 7-48, 17-15
Directory Access Service	15-56
Diversity	11-1
Diversity and Avoidance Combined	11-1
Emergency Conditions	10-2
Equipment Space and Power	2-14
Exceptions to Access Service Offerings	14-1
Exemption of Special Access Service	7-30
Expedited Orders	5-3
Facility Availability	10-3
Facility Hubs	7-24
Federal Government Regulations	10-3
General Regulations	2-1

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

INDEX

	<u>Sheet</u>
High Capacity Optional Rate Plans	7-28
High Capacity Service	7-50, 17-17
Individual Case Filings	7-55
Installation and Termination of Services	2-6
Interface Group and Premise Interface Codes	15-56
Interference or Impairment	2-11
Interstate and Intrastate Use	3-2
Jurisdictional Report Requirements	2-18
Limitation of Use of Metallic Facilities	2-9
Local Exchange Access and Enhanced Services Exemption	3-3
Local Switching	17-3
Local Switching Optional Features	6-10
Local Transport	17-2
Local Transport Interface Groups	15-1

NH P.U.C. - Telephone - No. 1 - Access
 The Chichester Telephone Company
 Kearsarge Telephone Company
 Meriden Telephone Company

INDEX

	<u>Sheet</u>
Maintenance of Service	13-11
Maintenance of Services	2-7
Measuring Access Minutes	6-29
Measuring and Recording Of Call Detail	3-7
Meet Point Billing Ordering	5-16
Metallic Service	7-34, 17-6
Mileage Application	10-7
Mileage Measurement	6-30, 7-23
Minimum Periods	2-34, 5-23, 6-27, 7-22
Minimum Periods and Cancellations	5-23
Miscellaneous Equipment	13-13
Miscellaneous Services	5-14, 13-4, 17-24
Mixed Use Analog and Digital High Capacity Services	7-27
Mixed Use Facilities - Switched and Special Access	5-13
Move Charges	10-8
Moves	6-28, 7-21
Network Blocking Charge for Feature Group D	6-29
Network Channel (NC) Codes	15-27
Non Meet Point Billing Ordering - FGA	5-15
Nonrecurring Charges	17-2
Notification of Service-Affecting Activities	2-9
Obligations of the Customer	2-13, 3-2, 6-19
Obligations of the Telephone Company	6-18
Ordering Options and Conditions	6-8, 7-12
Ordering Requirements	5-5
Other Labor	13-3
Overtime Installation	13-3
Overtime Repair	13-3
Ownership of Facilities and Theft	2-13

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

INDEX

	<u>Sheet</u>
Partial Cancellation Charge	5-26
Payment Arrangements and Credit Allowances	2-26
Payment of Coin Sent-Paid Monies	3-4
Payment of Rates, Charges and Deposits	2-26
Percent Interstate Use (PIU)	3-7
PIU	3-7
Program Audio Service	7-44, 17-12
Provision and Description of Switched Access Feature Groups	6-9
Provision and Ownership of Telephone Numbers	2-10
Provision Of Message Call Detail Concerning Coin Station Monie	3-4
Provision of Service	3-2
Provision of Services	2-6
Rate Categories	6-1, 7-13
Rate Regulations	3-7, 6-21, 7-13, 7-32
Rates and Charges	10-8, 17-1
Re-establishment of Service Following Fire, Flood or Other Occ	2-43
References to the Telephone Company	2-15
Refusal and Discontinuance of Service	2-8
Report Requirements	6-19
Report Requirements When More Than One Exchange Telephone Com	2-25
Resold Services	3-3

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

INDEX

	<u>Sheet</u>
Selection of Facilities for Access Orders	5-4
Service Configurations	7-7
Service Descriptions	7-4
Service Installation	5-2
Service Offerings to the Federal Government	10-4
Special Access Service	5-11, 15-24, 17-5
Special Facilities Routing	6-8, 7-11
Special Facilities Routing of Access Services	11-1, 17-29
Special Federal Government Access Services	10-1, 17-28
Specialized Service or Arrangements	12-1, 17-30
Stand by	13-3
Standard Transmission Specifications	15-11, 15-57
Supervision	3-2
Supervisory Signaling	6-19
Surcharge for Special Access Service	7-29, 17-5
Switched Access Service	5-5, 15-1, 17-2
Switched Access Service Requirement	3-2
Telecommunications Service Priority - TSP	13-11, 13-12
Telegraph Grade Service	7-35, 17-7
Testing and Maintenance with Other Telephone Companies	13-3
Testing Services	13-4
Title or Ownership Rights	2-44
Transmission Specifications	6-18
Transport Termination	6-17
Trunk Group Measurement Reports	6-20
Types of Rates and Charges	7-17
Undertaking of the Telephone Company	2-1, 3-2
Unlawful Use	2-12
Unmeasured Feature Group B Usage	3-7

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

INDEX

	<u>Sheet</u>
Video Service	7-46, 17-14
Voice Grade Service	7-36, 17-8
Voice Grade Special Access	10-8
WATS Access Line Service Termination	6-18
WATS Access Lines	3-1
WATS or WATS-Type Services	5-13

1. Application of Tariff

- 1.1 This tariff contains regulations, rates and charges applicable to Switched and Special Access Services and other miscellaneous services, hereinafter referred to collectively as service(s), provided by the Chichester Telephone Company, hereinafter referred to as the Telephone Company, to Interexchange Carrier(s) including resellers or other entities engaged in the provision of Public Utility Common Carrier Services which utilize the network of the Telephone Company, who are certified to provide such services by the New Hampshire Public Utilities Commission.
- 1.2 For purposes of administering this tariff Interexchange Carriers, including resellers or other entities engaged in the provision of Public Utility Common Carrier Services which utilize the network of the Telephone Company, who are certified to provide such services by the New Hampshire Public Utilities Commission, are hereinafter referred to as Customers.
- 1.3 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the Customer for the furnishing of any service.
- 1.4 The regulations, rates and charges contained herein are in addition to the regulations, rates and charges specified in other tariffs of the Telephone Company which are referenced herein.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
2. <u>General Regulations</u>	2-1
2.1 <u>Undertaking of the Telephone Company</u>	2-1
2.2 <u>Use</u>	2-11
2.3 <u>Obligations of the Customer</u>	2-13
2.4. <u>Payment Arrangements and Credit Allowances</u>	2-26
2.5 <u>Connections</u>	2-60
2.6 <u>Definitions</u>	2-60

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-1

2. General Regulations

2.1 Undertaking of the Telephone Company

2.1.1 Scope

- (A) The Telephone Company does not undertake to transmit messages under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services it provides.
- (C) The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.
- (D) Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this tariff.
- (E) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.1.2 Limitations

(A) The customer may not assign or transfer the use of services provided under this tariff; however, where there is no interruption of use or relocation of the services, such assignment or transfer may be made to:

- (1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or
- (2) a court-appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.

In all cases of assignment or transfer, the written acknowledgment of the Telephone Company is required prior to such assignment or transfer which acknowledgement shall be made within 15 days from the receipt of notification. All regulations and conditions contained in this tariff shall apply to such assignee or transferee.

The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligations existing at the time of the assignment or transfer.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.1.2 Limitations (Cont'd)

- (B) The use, installation and restoration of services shall be in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's Rules and Regulations, which specifies the priority system for such activities.
- (C) Subject to compliance with the rules mentioned in (B) preceding, where a shortage of facilities or equipment exists at any time, either for temporary or protracted periods, the services offered herein will be provided to customers on a first-come, first-served basis.

The first-come, first-served sequence shall be based upon the received time and date recorded, by stamp or other notation, by the Telephone Company on customer access orders. These orders must contain all the information as required for each respective service as delineated in other sections of this tariff. Customer orders shall not be deemed to have been received until such information is provided. Should questions arise which preclude order issuance due to missing information or the need for clarification, the Telephone Company will attempt to seek such missing information or clarification on a verbal basis.

2.1.3 Liability

- (A) The Telephone Company's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, termination, maintenance, repair or restoration of service, and subject to the provisions of (B) through (G) following, the Telephone Company's liability, if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this tariff as a Credit Allowance for a Service Interruption.
- (B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.1.3 Liability (Cont'd)

- (C) The Telephone Company is not liable for damages to the customer's premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.
- (D) The Telephone Company shall be indemnified, defended and held harmless by the end user against any claim, loss or damage arising from the end user's use of services offered under this tariff, involving:
 - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the end user's own communications;
 - (2) Claims for patent infringement arising from the end user's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end user or Customer or;
 - (3) All other claims arising out of any act or omission of the end user in the course of using services provided pursuant to this tariff.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.1.3 Liability (Cont'd)

- (E) The Telephone Company shall be indemnified, defended and held harmless by the Customer against any claim, loss or damage arising from the customer's use of services offered under this tariff, involving:
- (1) Claims for libel, slander, invasion of privacy or infringement of copyright arising from the customer's own communications;
 - (2) Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the customer or the end user.
 - (3) All other claims arising out of any act or omission of the customer in the course of using services provided pursuant to this tariff.
- (F) The Telephone Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to the customer's use of services so provided.
- (G) No license under patents (other than the limited license to use) is granted by the Telephone Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff. The Telephone Company will defend the customer against claims of patent infringement arising solely from the use by the customer of services offered under this tariff and will indemnify such customer for any damages awarded based solely on such claims.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.1.3 Liability (Cont'd)

(H) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by governmental orders, civil commotions, criminal actions taken against the Telephone Company, acts of God and other circumstances beyond the Telephone Company's reasonable control, subject to the Credit Allowance for a Service Interruption as set forth in Section 2.4.4.

2.1.4 Provision of Services

The services offered under the provisions of this tariff are subject to availability. The Telephone Company, to the extent that such services are or can be made available with the reasonable effort, and after provision has been made for the Telephone Company's telephone exchange services, will provide to the customer upon reasonable notice services offered in other applicable sections of this tariff at rates and charges specified therein.

2.1.5 Installation and Termination of Services

The Access Services provided under this tariff (A) include Telephone Company communication facilities up to the Point of Termination as defined in Section 2.6 which denotes the demarcation point and (B) will be installed by the Telephone Company to such Point of Termination. If the Point of Termination is moved subsequent to the original installation, the charges as set forth in Section 6.7.5 for Switched Access Services apply as appropriate. Any additional terminations at the customer's premises beyond such Point of Termination are the sole responsibility of the customer.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.1.6 Maintenance of Services

The services provided under this tariff shall be maintained by the Telephone Company. The customer or others may not rearrange, move, disconnect, remove or attempt to repair any facilities provided by the Telephone Company, other than by connection or disconnection to any interface means used, except with the written consent of the Telephone Company.

2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to FCC Part 68 Regulations at 47 C.F.R. Section 68.110(b), the Telephone Company may, where such action is reasonably required in the operation of its business, (A) substitute, change or rearrange any facilities used in providing service under this tariff, including but not limited to, (1) substitution of different metallic facilities, (2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities and (3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities, (B) change minimum protection criteria, (C) change operating or maintenance characteristics of facilities or (D) change operations or procedures of the Telephone Company. In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in Section 6.4. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the customer will be given adequate notice in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Telephone Company will work cooperatively with the customer to determine reasonable notification requirements.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.1.8 Refusal and Discontinuance of Service

- (A) Unless the provisions of Section 2.2.2(B) apply, if the customer fails to comply with Sections 2.1.6, 2.2.3, 2.3.1, 2.3.4, 2.3.5 or 2.4, including any payments to be made by it on the dates and times herein specified, the Telephone Company may, on thirty (30) days written notice by Certified U.S. Mail to the person designated by the customer to receive such notices of noncompliance, refuse additional applications for service and/or refuse to complete any pending orders for service at any time thereafter. If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) days' notice, and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service without further notice.
- (B) Unless the provisions of Section 2.2.2.(B) apply, if the customer fails to comply with Sections 2.1.6, 2.2.3, 2.3.1, 2.3.4, 2.3.5 or 2.4, including any payments to be made by it on the dates and times herein specified, the Telephone Company may on thirty (30) days written notice by Certified U.S. Mail to the person designated by the customer to receive such notices of noncompliance, discontinue the provision of the services involved at any time thereafter. In the case of such discontinuance, all applicable charges, including termination charges, shall become due. If the Telephone Company does not discontinue the provision of the services involved on the date specified in the thirty (30) days notice, and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to discontinue the provision of the services involved without further notice.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.1.9 Limitation of Use of Metallic Facilities

Signals applied to a metallic facility shall conform to the limitations set forth in Technical Reference Publication AS No. 1. In the case of application of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limiting devices to protect the Telephone Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

2.1.10 Notification of Service-Affecting Activities

The Telephone Company will provide the customer timely notification of service-affecting activities that may occur in normal operation of its business. Such activities may include, but are not limited to, equipment or facilities additions, removals or rearrangements, routine preventative maintenance and major switching machine change-out. Generally, such activities are not individual customer service specific; they affect many customer services. No specific advance notification period is applicable to all service activities. The Telephone Company will work cooperatively with the customer to determine the reasonable notification requirements. With some emergency or unplanned service-affecting conditions, such as an outage resulting from cable damage, notification to the customer may not be possible.

2.1.11 Coordination with Respect to Network Contingencies

The Telephone Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services, in accordance with Part 64.401, Appendix A of the Federal Communications Commission's Rules and Regulations.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-10

2.1.12 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers, any other call number designations associated with Access Services, or the Telephone Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Telephone Company will furnish to the customer six months notice, by Certified U.S. Mail, of the effective date and an explanation of the reasons for such change(s). In the case of emergency conditions however, e.g., a fire in a wire center, it may be necessary to change a telephone number without six months notice in order to provide service to the customer.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-11

2.2 Use

2.2.1 General

A Customer, authorized by the New Hampshire Public Utilities Commission, offering Public Utilities Common Carrier Services will receive service under NHPUC - No. 78, as set forth in Section 1. preceding.

2.2.2 Interference or Impairment

(A) The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company and associated with the facilities utilized to provide services under this tariff shall not interfere with or impair service over any facilities of the Telephone Company, its affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.2.2 Interference or Impairment (Cont'd)

(B) Except as provided for equipment or systems subject to the FCC Part 68 Rules in 47 C.F.R. Section 68.108, if such characteristics or methods of operation are not in accordance with (A) preceding, the Telephone Company will, where practicable, notify the customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, credit allowance for service interruptions as set forth in Section 2.4.4 is not applicable.

2.2.3 Unlawful Use

The service provided under this tariff shall not be used for an unlawful purpose.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-13

2.3 Obligations of the Customer

2.3.1 Damages

The customer shall reimburse the Telephone Company for damages to Telephone Company facilities utilized to provide services under this tariff caused by the negligence or willful act of the customer or resulting from the customer's improper use of the Telephone Company facilities or due to malfunction of any facilities or equipment provided by other than the Telephone Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone Company will, upon reimbursement for damages, cooperate with the customer in prosecuting a claim against the person causing such damage and the customer shall be subrogated to the right of recovery by the Telephone Company for the damages to the extent of such payment.

2.3.2 Ownership of Facilities and Theft

Facilities utilized by the Telephone Company to provide service under the provisions of this tariff shall remain the property of the Telephone Company. Such facilities shall be returned to the Telephone Company by the customer, whenever requested, within a reasonable period following the request in as good condition as reasonable wear will permit.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.3.3 Equipment Space and Power

The customer shall furnish or arrange to have furnished to the Telephone Company, at no charge, equipment space and electrical power required by the Telephone Company to provide services under this tariff at the points of termination of such services. The selection of ac or dc power shall be mutually agreed to by the customer and the Telephone Company. The customer shall also make necessary arrangements in order that the Telephone Company will have access to such spaces at reasonable times for installing, testing, repairing or removing Telephone Company services.

2.3.4 Availability for Testing

The services provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

2.3.5 Balance

All signals for transmission over the services provided under this tariff shall be delivered by the customer balanced to ground except for ground start, duplex (DX) and McCulloh-Loop (Alarm System) type signaling and dc telegraph transmission at speeds of 75 baud or less.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-15

2.3.6 Design of Customer Services

Subject to the provisions of Section 2.1.7, the customer shall be solely responsible, at its own expense for the overall design of its services and for any redesigning or rearrangement of its services which may be required because of changes in facilities, operations or procedures of the Telephone Company, minimum protection criteria or operating or maintenance characteristics of the facilities.

2.3.7 References to the Telephone Company

The customer may advise End Users that certain services are provided by the Telephone Company in connection with the service the customer furnishes to End Users; however, the customer shall not represent that the Telephone Company jointly participates in the customer's services.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.3.8 Claims and Demands for Damages

- (A) With respect to claims of patent infringement made by third persons, the customer shall defend, indemnify, protect and save harmless the Telephone Company from and against all claims arising out of the combining with, or use in connection with, the services provided under this tariff, any circuit, apparatus, system or method provided by the customer.
- (B) The customer shall defend, indemnify and save harmless the Telephone Company from and against suits, claims, losses or damages including punitive damages, attorneys' fees and court cost by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Telephone Company's services provided under this tariff, including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and proceedings to recover taxes, fines, or penalties for failure of the customer to obtain or maintain in effect any necessary certificates, permits, licenses, or other authority to acquire or operate the services provided under this tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands to recover damage

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-17

2.3.9 Coordination with Respect to Network Contingencies

The customer shall, in cooperation with the Telephone Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

APPROVED

2.3.10 Jurisdictional Report Requirements (Continued)

(B) Disputes Involving Jurisdictional Certification – Special Access

If a dispute arises concerning the certification of projected interstate traffic as described above, the Telephone Company will ask the customer to provide the data the customer used to determine that more than 10% of the traffic is interstate. The customer shall supply the data within thirty (30) days of the Telephone Company request. If the reply results in a jurisdictional change of a Special Access Service, the effective date of the change will be the date the Telephone Company receives the customer's reply. There is no charge when the customer's reply results in a jurisdictional change in the Special Access Service.

(C) Jurisdictional Reporting - Switched Access

(1) General

The following regulations govern jurisdictional reporting by the customer and cases where the Telephone Company will develop jurisdictional percentages.

(a) Sufficient Call Detail Billing

When the Telephone Company receives sufficient call detail to determine the jurisdiction of the originating and terminating access minutes of use, the Telephone Company shall use that call detail to render bills for those minutes of use, and shall not apply the jurisdictional factor(s) to those minutes of use.

(b) Insufficient Call Detail Billing

When the Telephone Company receives insufficient call detail to determine the jurisdiction of the originating and terminating access minutes of use, the Telephone Company will apply the jurisdictional factor(s) provided by the customer or developed by the Telephone Company as set forth below, only to those minutes of use for which the Telephone Company does not have sufficient call detail. Such jurisdictional factor(s) will be used until the customer provides an update to its jurisdictional factor(s) as set forth below.

For all flat rated Switched Access Services, the Telephone Company will apply the jurisdictional factor(s) as provided by the customer or developed by the Telephone Company as set forth below, each month until the customer provides an update to its factor(s) as described below.

(C)

(C)

ISSUED: September 1, 2010
EFFECTIVE: October 1, 2010

ISSUED BY: Joel P. Dohmeier
Joel Dohmeier, Vice-President

2.3.10 Jurisdictional Report Requirements (Continued)

APPROVED

(C) Jurisdictional Reporting - Switched Access (Continued)

(2) Initial Order

When the customer submits an initial service order to the Telephone Company, the customer is required to provide the percentage of interstate and intrastate use for originating and/or terminating minutes for each service arranged for interstate and intrastate use.

If the Telephone Company receives usage for which no order for service has been received, the Telephone Company may develop the jurisdictional factors as needed.

(3) Quarterly Reports

Effective on the first of January, April, July, and October of each year, the customer shall update its interstate and intrastate jurisdictional report. The customer shall forward to the Telephone Company, to be received by the Telephone Company no later than fifteen days after the first of each such month, a revised report showing the interstate and intrastate percentage of use for the past three months ending the last day of December, March, June, and September, respectively, for each service arranged. Such revised report will serve as the basis for the next three months billing for determining the jurisdiction for Switched Access Services in cases where the Telephone Company does not have sufficient call detail to do so, and will be applied to the customer's usage on a prospective basis only. No prorating or back billing will be done based on the report.

For each service, the customer may only provide jurisdictional factors that are in a whole number format, i.e., a number from 0 to 100.

(C)

(C)

ISSUED: September 1, 2010
EFFECTIVE: October 1, 2010

ISSUED BY: Joel P. Dornheier
Joel Dornheier, Vice-President

APPROVED

2.3.10 Jurisdictional Report Requirements (Continued)

(C) Jurisdictional Reporting - Switched Access (Continued)

(3) Quarterly Reports (Continued)

If the customer does not supply a quarterly report, the Telephone Company will assume the percentages to be the same as those provided in the last quarterly report received. In the instance the customer has failed to update the percentages after six months either as set by the previous quarterly report or a service order, the Telephone Company may develop a jurisdictional percentage based on either actual usage, or a weighted average using billed access minutes of all other customers' usage.

(4) Subsequent Orders

When the customer adds Busy Hour Minutes of Capacity (BHMC), lines or trunks to an existing end office group, the customer shall furnish revised projected interstate and intrastate percentages that apply to the total BHMC, lines or trunks. When the customer discontinues BHMC, lines or trunks from an existing group, the customer shall furnish revised projected interstate and intrastate percentages for the remaining BHMC, lines or trunks in the end office group. The revised report will serve as the basis for future billing, and will be applied to the customer's usage on a prospective basis only. No prorating or back billing will be done based on the report.

(C)

(C)

ISSUED: September 1, 2010
EFFECTIVE: October 1, 2010

ISSUED BY: 
Joel Dohmeier, Vice-President

2.3.10 Jurisdictional Report Requirements (Continued)

(D)

(D)

(D) Disputes Involving Jurisdictional Reports

For Switched Access, if a jurisdictional dispute arises concerning the projected interstate or intrastate percentages, the Telephone Company will notify the customer to provide the data the customer used to determine the projected interstate or intrastate percentages. The Telephone Company will not request such data more than once a year provided that the customer complies with the initial request. The customer shall supply the data within thirty (30) days of the request.

If the customer fails to provide the requested data to the Telephone Company within thirty (30) days of the receipt of the notice, the customer will be in violation of the Tariff. In such event, the Telephone Company may develop percentages for originating and terminating usage based on either actual usage, or a weighted average using billed access minutes of all other customers' usage. This factor will be applied to the customer's usage on a prospective basis only and will be utilized until the customer provides supporting data that substantiates the requested percentages.

ISSUED: May 26, 2016
EFFECTIVE: July 1, 2016

ISSUED BY: Joel P. Donmeier
Joel Donmeier, Vice-President

2.3.10 Jurisdictional Report Requirements (Continued)

APPROVED

(D) Disputes Involving Jurisdictional Reports (Continued)

(C)

If the Telephone Company finds that the data submitted by the customer does not adequately support the reported percentages, the Telephone Company may develop percentages for originating and terminating usage based on either actual usage, or a weighted average using billed access minutes of all other customers' usage. Upon assigning an intrastate percentage of use, the Telephone Company will notify the customer of the change and when it will go into effect. The Telephone Company's designated methodology used to develop the jurisdictional percentage will remain in effect for twelve (12) months.

If the Telephone Company and the customer cannot informally resolve the dispute, the customer may contest the designated intrastate percentage by requesting an audit be conducted by a mutually agreed upon independent auditor.

- (1) The cost of an independent audit will be borne by the customer.
- (2) During the audit, if the customer fails to provide the requested data to the auditor within thirty (30) days of the receipt of the notice, the customer will be in violation of the Tariff.
- (3) The audit results will be furnished to both the customer and Telephone Company.
- (4) The Telephone Company will adjust the customer's jurisdictional percentage based upon the audit results. The jurisdictional percentage resulting from the audit shall be applied to the customer's usage on a prospective basis only and will remain in effect for the two (2) quarters following the completion of the audit. After that time, the customer may report revised jurisdictional percentage pursuant to (C.3) above.

The Telephone Company may also request an independent audit to resolve a jurisdictional dispute. If, as a result of the audit conducted by an independent auditor, a customer is found to have over-stated its jurisdictional percentage by 5 percentage points or more, the Telephone Company shall require reimbursement from the customer for the cost of the audit. Such bill(s) shall be due and paid in immediately available funds within 30 days from receipt, and shall carry a late payment penalty as set forth in Section 2.4.1(C)(2)(b), Payment of Rates, Charges and Deposits following, if not paid within the 30 days. The jurisdictional percentage resulting from the audit shall be applied to the usage for the quarter the audit was completed, the usage for the quarter prior to the completion of the audit, and to the usage for the two quarters following the completion of the audit. After that time, the customer may report revised jurisdictional percentage pursuant to (C.3) above

(C)

ISSUED: September 1, 2010
EFFECTIVE: October 1, 2010

ISSUED BY: 
Joel Dohmeier, Vice-President

2.3.10 Jurisdictional Report Requirements (Continued)

(E) Identification and Rating of Toll VoIP – PSTN Traffic

(1) Scope

VoIP-PSTN Traffic is defined as traffic exchanged between the Telephone Company end user and the Customer in time division multiplexing (“TDM”) format that originates and/or terminates in Internet protocol (“IP”) format. This section governs the identification of Toll VoIP-PSTN Traffic that is required to be compensated at interstate access rates (unless the parties have agreed otherwise) as mandated by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 on November 18, 2011 (“FCC Order”) and the FCC’s Second Order of Reconsideration (12-47) released April 25, 2012. Specifically, this section establishes the method of separating Toll VoIP-PSTN Traffic from the Customer’s traditional intrastate access traffic, so that such traffic can be billed in accordance with the FCC Order.

(T)
(T)

(2) Rating of Toll VoIP-PSTN Traffic

The Toll VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company’s applicable tariffed interstate switched access rates as specified in the Telephone Company’s applicable federal access tariff.

(3) Calculation and Application of Percent-VoIP-Usage Factor

(a) The Telephone Company will determine the number of terminating intrastate Toll VoIP-PSTN Traffic minutes of use (MOU) to which interstate rates will be applied under (2), preceding, by applying a terminating PVU factor to the total intrastate access MOU terminated by a Customer to the Telephone Company’s end user.

(b) The Telephone Company will determine the portion of dedicated facilities to which interstate rates will be applied under (2), preceding, by applying a PVU factor for dedicated switched access facilities to the dedicated facilities between the Telephone Company and the Customer.

(c) The Telephone Company will determine the number of originating intrastate Toll VoIP-PSTN Traffic minutes of use (MOU) to which interstate rates will be applied under (2), preceding, by applying an originating Percent VoIP Usage (PVU) factor to the total intrastate access MOU originated by a Telephone Company end user and delivered to the customer.

(N)
|
(N)

ISSUED: February 13, 2014
EFFECTIVE: March 17, 2014

ISSUED BY:


Joel Dohmeier, Vice-President

2.3.10 Jurisdictional Report Requirements (Continued)

(E) Identification and Rating of VoIP – PSTN Traffic (Continued)

(3) Calculation and Application of Percent-VoIP-Usage Factor (Continued)

(d) The Customer will calculate and furnish to the Telephone Company a terminating PVUC factor (along with the supporting documentation as specified in (C)(3)(g) below) representing the whole number percentage of the Customer's total terminating intrastate access MOU that the Customer sent to Telephone Company and which originated in IP format and that would be billed by the Telephone Company as intrastate terminating access MOU. (T)

(e) If applicable, the Telephone Company will calculate and periodically update a terminating PVUT factor representing the percentage (as a whole number) of total intrastate terminating access MOU that the Company receives from the Customer that terminates in IP format at the end user's premises. (T)

(f) The customer will calculate and furnish to the Telephone Company an originating PVUC factor (along with the supporting documentation as specified in (C)(3)(h) below) representing the whole number percentage of the customer's total originating intrastate access MOU that the customer receives from the Telephone Company and that is terminated in IP format and that would be billed by the Telephone Company as intrastate originating access MOU. (N)

(g) If applicable, the Telephone Company will calculate and periodically update an originating PVUT factor representing the percentage (as a whole number) of total originating access MOU that the telephone company originated in IP format at the end user's premises, and that is sent to the customer. (N)

(h) The Company will develop a total originating and a total terminating Percent VoIP Usage ("PVU") factor combining the Customer's applicable originating or terminating PVUC factor with the Company's applicable originating or terminating PVUT factor. (T)

1) The PVU calculation below is applied when the Company does not bill based on actual call detail records for the Company's intrastate IP traffic at interstate rates.

$PVU = PVUC + [PVUT \times (1 - PVUC)]$ applied to the Company's end user's total intrastate originating or terminating MOU. (T)

Example (applicable to terminating MOU): The Customer reported that their PVUC as 40%. The Company's PVUT is 10%. This results in the following: (T)

$PVU = 40\% \text{ plus } (10\% \text{ times } (1 - 40\%)) = 46\%$

This means that 46% of the Intrastate terminating MOU exchanged between the Customer and the Company's end users will be rated at Interstate rates.

2.3.10 Jurisdictional Report Requirements (Continued)

(E) Identification and Rating of VoIP – PSTN Traffic (Continued)

(3) Calculation and Application of Percent-VoIP-Usage Factor (Continued)

(h) (Continued)

(T)

- 2) The PVU calculation below is applied when the Company bills are based on the actual call detail records for the Company's intrastate IP traffic at interstate rates.

The formula for usage will be as follows:

$PVU = PVUC \times (1 - PVUT)$ applied to the Company's TDM end user's total intrastate originating or terminating MOU.

(T)

Example (applicable to terminating MOU): The Company has identified that there was 10,500 intrastate terminating MOU that were identified and exchanged between the Customer and the Company's IP end users. The Customer reported that their PVUC as 40%. The Company's PVUT is 10%.

(T)

This results in the following:

$PVU = 40\% \times (1 - 10\%) = 36\%$

This means that 36% of the Intrastate terminating MOU exchanged between the Customer and the Company's TDM end users will be rated at interstate rates and the intrastate 10,500 MOU will also be rated at interstate rates.

- (i) The Customer shall not modify their reported PIU factors to account for VoIP - PSTN Traffic.

(T)

- (j) The Customer provided terminating and originating PVUC factors shall be based on information such as the number of the customer's retail VoIP subscriptions in the state (e.g. as reported on F.C.C. Form 477), traffic studies, actual call detail or other relevant and verifiable information.

(T)

- (k) The Customer shall retain the call detail, work papers, and information used to develop the PVUC factors for a minimum of two years.

(T)

(T)


- (l) If the Customer does not furnish the Telephone Company with the above PVUC factors, the Telephone Company will utilize a PVU factor equal to the Telephone Company supplied PVUT.

(T)

(T)

ISSUED: February 13, 2014
EFFECTIVE: March 17, 2014

ISSUED BY:


Joel Dohmeier, Vice-President

2.3.10 Jurisdictional Report Requirements (Continued)

(E) Identification and Rating of VoIP – PSTN Traffic (Continued)

(4) Initial PVU Factor

(a) If the Customer provides the terminating PVUC factor to the Telephone Company by May 25, 2012, the Telephone Company will retroactively adjust the Customer's bills to reflect the PVUC factor as of December 29, 2011. If the Customer does not provide PVUC factor by May 25, 2012, the Telephone Company will set the calculated PVU factor equal to the Telephone Company supplied PVUT.

(b) If the terminating PVU factor cannot be implemented in the Telephone Company's billing system by December 29, 2011, once the factor can be implemented, the Telephone Company will adjust the Customer's bills retroactively to reflect the calculated terminating PVU factor that includes the terminating PVUC factor provided by the customer to the Telephone Company prior to May 25, 2012.

(T)
(T)
(T)

(c) The Telephone Company may choose to provide credits based on the calculated terminating PVU factor on a Quarterly basis until such time as billing system modifications can be implemented.

(T)

(d) The initial originating PVUC factor must be submitted to the Telephone Company by April 15, 2014. If the Customer does not provide the originating PVUC factor by that date, the Telephone Company will set the calculated originating PVU factor equal to the Telephone Company supplied originating PVUT.

(N)
|
(N)

(5) PVU Factor Updates – Originating¹

(T)

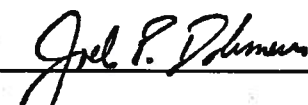
The Customer may update the PVUC factor quarterly using the method set forth in subsection (3)(c), preceding. Any updated PVUC factor shall be forwarded to the Telephone Company no later than 15 days after the first day of January, April, July and/or October of each year. The revised PVUC factor shall be based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised calculated PVU factor will serve as the basis for future billing, and will be effective on the bill date of each such month, and shall serve as the basis for subsequent monthly billing until superseded by a new PVU factor. No prorating or back billing will be done based on the updated PVU factor.

¹ The terminating PVU factor is no longer being accepted due to intrastate terminating switched access rate parity with interstate rates beginning July 2, 2013.

(N)
(N)

ISSUED: February 13, 2014
EFFECTIVE: March 17, 2014

ISSUED BY:


Joel Donmeier, Vice-President

2.3.10 Jurisdictional Report Requirements (Continued)

(E) Identification and Rating of VoIP – PSTN Traffic (Continued)

(6) PVUC Factor Verification – Originating¹

(T)

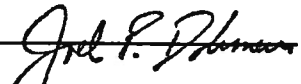
- (a) Not more than four times in any year, the Telephone Company may request from the Customer an overview of the process used to determine the PVUC factor, the call detail records, description of the method for determining how the end user originates calls in IP format, and other information used to determine the Customer's PVUC factor—furnished to the Telephone Company in order to validate the PVUC factor supplied. The Customer shall comply, and shall reasonably supply the requested data and information within 15 days of the Telephone Company's request.
- (b) The Telephone Company may dispute a Customer's PVUC factor in writing based upon:
- A review of the requested data and information provided by the Customer,
 - The Telephone Company's reasonable review of other market information, F.C.C. reports on VoIP lines, such as F.C.C. Form 477 or state level results based on the F.C.C. Local Competition Report or other relevant data.
 - A change in a reported PVUC factor by more than five percentage points from the preceding submitted factor.
- (c) If after review of the data and information, the Customer and the Telephone Company establish a revised PVU factor, the Telephone Company may apply the revised PVU factor retroactively to the beginning of the quarter.

¹ PVU Factor Verification is no longer applicable due to intrastate terminating switched access rate parity with interstate rates beginning July 2, 2013.

(N)
(N)

ISSUED: February 13, 2014
EFFECTIVE: March 17, 2014

ISSUED BY:


Joel Dohmeier, Vice-President

2.3.10 Jurisdictional Report Requirements (Continued)

(E) Identification and Rating of VoIP – PSTN Traffic (Continued)

(6) PVUC Factor Verification – Originating¹ (Continued)

(T)

(d) If the dispute is unresolved, the Telephone Company may initiate an audit. The Telephone Company shall limit audits of the Customer's PVUC factor to no more than twice per year. The Customer may request that the audit be conducted by an independent auditor. In such cases the associated auditing expenses will be paid by the Customer. The Customer shall respond to the audit request within 15 days of the request.

- In the event that the Customer fails to provide adequate records to enable the Telephone Company or an independent auditor to conduct an audit verifying the Customer's PVUC factor, the Telephone Company will bill the usage for all contested periods using the most recent undisputed PVUC factor reported by the Customer to be used in the calculated PVU factor. The calculated PVU factor will remain in effect until the audit can be completed.
- The Telephone Company will adjust the Customer's PVUC factor based on the results of the audit and implement the newly calculated PVU factor in the next billing period or quarterly report date, whichever is first. The newly calculated PVU factor will apply for the next two quarters before new PVUC factor can be submitted by the Customer.
- If the audit supports the Customer's PVUC factor, the usage for the contested periods will be retroactively adjusted to reflect the Customer's audited PVUC factor in the calculation of the PVU factor.

¹ PVU Factor Verification is no longer applicable due to intrastate terminating switched access rate parity with interstate rates beginning July 2, 2013.

(N)
(N)

ISSUED: February 13, 2014
EFFECTIVE: March 17, 2014

ISSUED BY: _____


Joel Dohmeier, Vice-President

**2.3.11 Determination of Intrastate Charges for Mixed
Interstate and Intrastate Access Service**

When mixed interstate and intrastate Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) including optional features charges, will be prorated between interstate and intrastate. The percentages as set forth in Section 2.3.10 will serve as the basis for calculating the charges. The percentages of an Access Service to be charged as intrastate are applied in the following manner:

- (A) For monthly and/or usage and nonrecurring chargeable rate elements associated with Access Services multiply the intrastate percent times the quantity of chargeable elements times the stated tariff rate per element.
- (B) For usage sensitive (i.e., access minutes) chargeable rate elements multiply the percent intrastate use times actual use (i.e., measured, Telephone Company assumed average use) times the state tariff rate.

The intrastate percentage will change as revised usage reports are submitted or a revised percentage is calculated as set forth in Section 2.3.10.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-25

2.3.12 Report Requirements When More Than One Exchange Telephone
Company is Involved

In addition to furnishing the jurisdictional reports specified in Sections 2.3.10 and 2.3.11, when service(s) is provided where one end of the Local Transport element is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, the Customer will provide on the first business day of each calendar month a record of usage data and the other Exchange Telephone Company associated with it. This information will be used to calculate billing as set forth in Section 2.4.7.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4. Payment Arrangements and Credit Allowances

2.4.1 Payment of Rates, Charges and Deposits

- (A) The Telephone Company will, in order to safeguard its interests, require only a customer which has a proven history of late payments to the Telephone Company or does not have established-credit except for a customer which is a successor of a company which has established credit and has no history of late payments to the Telephone Company, to make a deposit prior to or at any time after the provision of a service to the customer to be held-by the Telephone Company as a guarantee of the payment of rates and charges. Such deposit may not exceed the actual or a estimated rates and charges for the service for a two month period. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to the prompt payment of bills. At such time as the provision of the service to the customer is terminated the amount of the deposit will be credited to the customer's account and any credit balance which may remain will be refunded. At the option of the Telephone Company, such a deposit will be refunded or credited to the customer's account when the customer has established credit or after the customer has established a one year prompt payment record at any time prior to the termination of the provision of the service to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive interest at the same percentage rate as that set forth in (B)(2)(b). Interest will accrue for the number of days from the date the customer deposit is received by the Telephone Company to and including the date such deposit is credited to the customer's account or the date the deposit is refunded by the Telephone Company. Should a deposit be credited to the customer account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the customer's account.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4 **PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES** (Continued)

(T)

2.4.1 Payment of Rates, Charges and Deposits (Continued)

(B) The Telephone Company shall bill on a current basis all charges incurred by and credits due to the customer under this tariff attributable to services established or discontinued or provided during the preceding billing period. In addition, the Telephone Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government which will be billed in arrears.

(C) The bill day (i.e., the billing date of a bill for a customer for Access Service under this tariff) the period of service each bill covers and the payment date will be as follows:

(1) The Telephone Company will establish a bill day each month for each customer account or advise the customer in writing of an alternate billing schedule. Alternate billing schedules shall not be established on less than 60 days' notice or initiated by the Telephone Company more than twice in any consecutive 12 month period. The bill will cover non-usage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled non-usage sensitive charges for prior periods and unbilled usage charges for the period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and any known unbilled adjustments will be applied to this bill. Payment for such bills is due as set forth in (2) following. If payment is not received by the payment date, as set forth in (2) following in immediately available funds, a late payment penalty will apply as set forth in (2) following.

(T)
|
(T)

ISSUED: September 13, 2012
EFFECTIVE: October 15, 2012

ISSUED BY: 
Joel Donaher, Vice-President

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

- (C) (2)(a) All bills dated as set forth in (1) preceding for service, provided to the customer by the Telephone Company, are due 31 days (payment date) after the bill day or by the next bill date (i.e., same date in the following month as the bill date) whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. If such payment date would cause payment to be due on a Saturday, Sunday or a Legal Holiday, payment for such bills will be due from the customer as follows:

If such payment date falls on a Sunday or on a Legal Holiday which is observed on a Monday, the payment date shall be the first non-Holiday day following such Sunday or Legal Holiday. If such payment date falls on a Saturday or on a Legal Holiday which is observed on Tuesday, Wednesday, Thursday, or Friday, the payment date shall be the last non-Holiday day preceding such Saturday or Legal Holiday.

- (b) Further, if any portion of the payment is received by the Telephone Company after the payment date as set forth in (a) preceding, or if any portion of the payment is received by the Telephone Company in funds which are not immediately available to the Telephone Company, then a late payment penalty shall be due to the Telephone Company. The late payment penalty shall be the portion of the payment not received by the payment date times a late factor. The late-factor shall be 0.0005 per day for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(C) (2)(c) In the event that a billing dispute occurs concerning any charges billed to the customer by the Telephone Company the following regulations will apply.

- The first day of the dispute shall be the date on which the customer furnishes the Telephone Company with the account number under which the bill has been rendered, the date of the bill and the specific items on the bill being disputed.
- The date of resolution shall be the date on which the Telephone Company completes its investigation of the dispute, notifies the customer of the disposition and, if the billing dispute is resolved in favor of the customer, applies credit for the correct disputed amount, the disputed amount penalty and/or late payment penalty as appropriate.
- If a billing dispute is resolved in favor of the Telephone Company, any payments withheld pending resolution of the dispute shall be subject to the late payment penalty set forth in (b) preceding. Further, the customer will not receive credit for the disputed amount or the disputed amount penalty.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(C) (2)(c) (Cont'd)

- If a customer disputes a bill within three months of the payment date and pays the total billed amount on or before the payment date, and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the date of payment and ending on the date of resolution. The credit for a disputed amount penalty shall be as set forth in (b) preceding.
- If a customer disputes a bill within three months of the payment date and pays the total billed amount after the payment date and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the date of payment and ending on the date of resolution. The credit for a disputed amount penalty shall be as set forth following. The late payment penalty applied to the disputed amount resolved in the customer's favor as set forth in (b) preceding will be credited.
- If a customer disputes a bill within three months of the payment date and does not pay the disputed amount or does not pay the billed amount (i.e., the nondisputed and disputed amount), and the billing dispute is resolved in favor of the customer, the customer will not receive a credit for a disputed amount penalty from the Telephone Company. The late payment penalty applied to the disputed amount resolved in the customer's favor as set forth in (b) preceding will be credited.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-31

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(C) (2)(c) (Cont'd)

- If a customer disputes a bill after three months from the payment date and pays the total billed amount on or before the dispute date, and the billing dispute is resolved in favor of the customer, the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the date of dispute and ending on the date of resolution. The credit for a disputed amount penalty shall be as set forth following. The customer will not receive a credit for the late payment penalty.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(C) (2)(c) (Cont'd)

- If a customer disputes a bill after three months from the payment date and does not pay the disputed amount or does not pay the billed amount (i.e., the nondisputed amount and disputed amount) and the billing dispute is resolved in favor of the customer, the customer will not receive a credit for a disputed amount penalty from the Telephone Company. However, if the customer pays the disputed amount or the billed amount after the date of dispute and before the date of resolution the customer will receive a credit for a disputed amount penalty from the Telephone Company for the period starting with the date of payment and ending on the date of resolution. The credit for a disputed amount penalty shall be as set forth following. The customer will receive a credit for the late payment penalty, if applicable, from the Telephone Company. The late payment penalty credit shall be the disputed amount resolved in the customer's favor times a late payment penalty factor as set forth in (b) preceding, for the period starting with the date of dispute and ending on the date of payment of the disputed amount or the date of resolution whichever occurs first.

The disputed amount penalty shall be the disputed amount resolved in the customer's favor times a penalty factor. The penalty factor shall be 0.0005 per day for the number of days from the first date to and including the last date of the period involved.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

- (C) Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days or major fraction of days based on a 30 day month. The Telephone Company will, upon request and, if available, furnish such detailed information as may reasonably be required for verification of any bill.
- (D) When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).
- (E) When more than one copy of a customer bill for services provided under the provisions of this tariff is furnished to the customer, an additional charge applies for each additional copy of the bill as set forth in Section 13.2.5.
- (F) Adjustments for the quantities of service established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days based on a 30 day month. The Telephone Company will, upon request, furnish within 30 days of a request and at no charge to the customer such detailed information as may reasonably be required for verification of any bill.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-35

2.4.4 Credit Allowance for Service Interruptions

(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer as set forth in Section 6.5. An interruption period starts when an inoperative service is reported to the Telephone Company and ends when the service is operative.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be provided.

For Digital Data Access, SD Codes D1 through D4 and High Capacity, HC1, Special Access Services, any period during which the error performance is below that specified for the service will be considered as an interruption.

Service interruptions for Specialized Service or Arrangements provided under Section 12. following shall be administered in the same manner as those set forth in this section (2.4.4) unless other regulations are specified with the individual case filing.

Credit allowances are computed as follows:

(1) Special Access Service other than Program Audio and Video

For Special Access Services other than Program Audio and Video Services, no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or Major Fraction Thereof that the interruption continues.

The monthly charges used to determine the credit shall be as follows:

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

(a) Two-point Services

For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., two channel terminations, channel mileage and optional features and functions).

(b) Multipoint Services

For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a channel termination per customer premises, channel mileage and optional features and functions).

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

(c) Multiplexed Services

For multiplexed services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the channel termination, channel mileage and optional features and functions, including the multiplexer on the facility to the hub, and the channel terminations, channel mileages and optional features and functions on the individual services from the hub). When the service which rides a channel of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the hub to a customer premises (i.e., channel termination, channel mileage and optional features and functions).

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

(2) Program Audio and Video Special Access Services

For Program Audio and Video Special Access Services, no credit shall be allowed for an interruption of less than 30 seconds. The customer shall be credited for an interruption of 30 seconds or more as follows:

- (a) For two-point services, when monthly rates are applicable, the credit shall be at the rate of $1/8640$ of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.
- (b) For two-point services, when daily rates are applicable, the credit shall be at the rate of $1/288$ of the daily charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.
- (c) For multipoint services, when monthly rates are applicable, the credit shall be at the rate of $1/8640$ of the monthly charges for each channel termination, channel mileage and optional features and functions that are inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

(2) Program Audio and Video Special Access Services (Cont'd)

- (d) For multipoint services, when daily rates are applicable, the credit shall be at the daily rate of $1/288$ of the daily charges for channel termination, channel mileage and optional features and functions that are inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.
- (e) For multipoint services, the credit for the monthly or daily charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.
- (f) When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one interruption.

(3) Switched Access

For Switched Access Service no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of $1/30$ of the sum of (a) any applicable monthly rates or (b) the assumed minutes of use charge, when applicable for the service involved, for each period of 24 hours or major fraction thereof that the interruption continues.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

- (4) The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the sum of (a) any applicable monthly rate or (b) the assumed minutes of use charge, whichever is applicable for the service involved, for the service interrupted in any one monthly billing period.

(C) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

- (1) Interruptions caused by the negligence of the customer.
- (2) Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
- (3) Interruptions of a service during any period in which the Telephone Company is not afforded access to the premises where the service is terminated.
- (4) Interruptions of a service when the customer has released that service to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of that service. Thereafter, a credit allowance as set forth in (B) preceding applies.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(C) When a Credit Allowance Does Not Apply

- (5) Periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.
- (6) Periods of temporary discontinuance as set forth in Section 2.2.2(B).
- (7) An interruption or a group of interruptions, resulting from a common cause for amounts less than one dollar.

(D) Use of an Alternative Service Provided by the Telephone Company

Should the customer elect to use an alternative service provided by the Telephone Company during the period that a service is interrupted, the customer must pay the tariffed rates and charges for the alternative service used.

(E) Temporary Surrender of a Service

In certain instances, the customer may be requested by the Telephone Company to surrender a service for purposes other than maintenance, testing or activity relating to a service order. If the customer consents, a credit allowance will be granted. The credit allowance will be 1/1440 of the monthly rate for each period of 30 minutes or fraction thereof that the service is surrendered. In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4.5 Re-establishment of Service Following Fire, Flood or Other Occurrence

(A) Nonrecurring Charges Do Not Apply

Charges do not apply for the re-establishment of service following a fire, flood or other occurrence attributed to an Act of God provided that:

- (1) The service is of the same type as was provided prior to the fire, flood and other occurrence.
- (2) The service is for the same customer.
- (3) The service is at the same location on the same premises.
- (4) The re-establishment of service begins within 60 days after Telephone Company service is available. (The 60 day period may be extended a reasonable period if the renovation of the original location on the premises affected is not practical within the allotted time period.)

(B) Nonrecurring Charges Apply

Nonrecurring Charges apply for establishing service at a different location on the same premises or at a different premises pending re-establishment of service at the original location.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-44

2.4.6 Title or Ownership Rights

The payment of rates and charges by customers for the services offered under the provisions of this tariff does not assign, confer or transfer title or ownership rights to proposals or facilities developed or utilized, respectively, by the Telephone Company in the provision of such services.

2.4.7 Access Services Provided By More Than One Telephone Company

When an Access Service is provided by more than one Telephone Company, the Telephone Companies involved will mutually agree upon one of the billing methods as set forth in (B)(1) and (2) following based on the service being provided. The Telephone Company will notify the customer in writing of the billing method being used. The customer will place the order for the service as set forth in 5.3 following dependent upon the billing method.

(A) Non Meet Point Billing/Feature Group A

Non Meet Point Billing under a Revenue Sharing Agreement is the generally accepted billing method for Feature Group A Switched Access Service. At the agreement of the participating Telephone Companies, Meet Point Billing may apply to jointly provided Feature Group A services as set forth in (B) following.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(A) Non Meet Point Billing/Feature Group A (Cont'd)

(1) Single Company Billing/Revenue Sharing

All Telephone Companies jointly providing Feature Group A service will receive an order or a copy of the order, from the customer, as specified in 5.3.1(A) following. The telephone company that provides the dial tone will arrange to provide the service, determine the applicable charges and bill the customer for the entire service in accordance with its Access Services tariff as provided for under a Feature Group A Revenue Sharing Agreement.

(B) Meet Point Billing

Meet Point Billing is required when an access service is provided by multiple Telephone Companies for Feature Group B, C, and D Switched Access Services, Directory Assistance and Special Access. It is optional for Feature Group A Switched Access Service.

Each Telephone Company jointly providing the access service will receive an order or a copy of the order from the customer as specified in 5.3.2 following and arrange to provide the service.

For usage rated access services the access minutes of use will generally be determined by the recording company. Where the recording company is not the Bill Rendering Company, the recording company will provide detailed usage records to the Bill Rendering Company to develop the access minutes.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-46

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

The Bill Rendering Company in a single bill arrangement for Feature Groups B, C, and D Switched Access Services, is normally the end user's end office, for WATS usage the Bill Rendering Company is normally the WATS Serving Office, for Directory Assistance, the Bill Rendering Company is normally the Directory Assistance Location. The name of the Bill Rendering Company will be included in the meet point billing notification provided to the customer by all the telephone companies on all meet point billed services.

The non Bill Rendering Company(s) is any Telephone Company(s) in whose territory a segment of the Local Transport or Channel Mileage is provided and/or where the customer's Point of Termination is located.

There are two Meet Point Billing Options, Single Bill and Multiple Bill. These billing options are explained in (1) and (2) following. The Single Bill option is the preferred method. However, when a single bill option cannot be agreed to by all telephone companies providing service, the multiple bill option is the default.

Each telephone company must provide meet point billing notification to the customer, in writing, when new service is ordered or thirty days prior to changing an existing meet point arrangement. The notification should include the following:

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

- The Meet Point Billing Option that will be used,
- The Telephone Company(s) that will render the bill(s),
- The Telephone Company(s) to whom payment(s) should be remitted, and
- The Telephone Company(s) that will provide the bill inquiry function.

A Telephone Company that renders a meet point bill, the Bill Rendering Company, will render the bill in accordance with the industry standards as described in the Multiple Exchange Carrier Access Billing (MECAB) Guidelines and the Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines. The bill will include cross reference(s) to the other Telephone Company(s) providing service and common circuit identifiers. Should a billing dispute arise, the terms and conditions of the Bill Rendering company will apply.

(1) Single Bill Option

The single bill option allows the customer to receive one bill for access services that are provided by more than one company. The single bill option provides the following three billing alternatives:

- Single Bill/Multiple Tariff
- Single Bill/Pass Through Billing, and
- Single Bill/Single Tariff

These options are described following in (a), (b) and (c) respectively.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

(1) Single Bill Option (Cont'd)

(a) Single Bill/Multiple Tariff

The single bill/multiple tariff bill is prepared by the Bill Rendering Company but reflects all rates and charges for each connecting company's part of the service based on each company's access tariff.

The Bill Rendering Company will:

- determine and include all recurring and nonrecurring rates and charges for each involved Telephone Company;
- identify each involved Telephone Company's rates and charges separately on the bill;
- forward the bill to the customer and provide a copy of the bill or other substantiation of the charges to the connecting Telephone Companies; and
- advise the customer how to remit the payment, either directly to each Telephone Company involved in the provision of this meet point billed service, or, as a single payment made to the Bill Rendering Company. If payments are to be sent directly to the Bill Rendering Company, the non Bill Rendering Company(s) will provide the customer with written authorization for the payment arrangement.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

(1) Single Bill Option (Cont'd)

(b) Single Bill/Pass-Through Billing (Cont'd)

The Bill Rendering Company will:

- apply usage data, when needed, to the bills and calculate the charges;
- combine all the bills of the involved Telephone Companies providing the meet point access service;
- forward the bill to the customer; and
- advise the customer how to remit the payment, either directly to each Telephone Company involved in the provision of this meet point billed service; or, as a single payment made to the Bill Rendering Company. If payments are to be sent directly to the Bill Rendering Company, the non Bill Rendering Company(s) will provide the customer with written authorization for the payment arrangement.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-51

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

(1) Single Bill Option (Cont'd)

(c) Single Bill/Single Tariff

The single bill/single tariff bill provides a meet point bill that is billed completely at the Billing Rendering Company's tariff rates and regulations.

The Bill Rendering Company will:

- determine and include on the access bill all usage data and all other recurring and nonrecurring rates and charges per its access tariff; and
- forward the bill to the customer

The customer will remit the payment to the Bill Rendering Company.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
 The Chichester Telephone Company
 Kearsarge Telephone Company
 Meriden Telephone Company

Original Sheet 2-52

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

(2) Multiple Bill Option

Under the Multiple Bill Option each company providing the access service will render an access bill to the customer for its portion of the service based on its access tariff rates and regulations. For switched access Multiple bills the end office company is generally the Initial Billing Company (IBC). The IBC is the company that calculates the access minutes to be billed to the customer and provides this data to each connecting company providing service, i.e., the Subsequent Billing Company(s). Each company, IBC and SBC, will:

- prepare its own bill;
- determine its charge(s) for Local Transport, Directory Transport, and/or Channel Mileage as set forth in (3) following;
- determine and include all recurring and nonrecurring rates and charges of its access tariff;
- reflect its Billing Account Reference (BAR) and all connection company Billing Account Reference (BACR) Code(s);
- forward its bill to the customer.

The customer will remit payment directly to each Bill Rendering Company.

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-53

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided By More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges

Each Telephone Company's portion of the Local Transport, Directory Transport and Channel mileage will be developed as follows:

- (a) Determine the appropriate Local Transport or Channel Mileage by computing the number of airline miles between the Telephone Company premises (end office, access tandem or serving wire centers for Switched Access or serving wire centers for Special Access) using the V&H method set forth respectively in 7.2.5 following and in the NECA F.C.C. Tariff #5 Section 6.4.6.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4 **PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES** (Continued)

2.4.7 **Access Services Provided by More Than One Telephone Company** (Continued)

(B) Meet Point Billing (Continued)

(3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges

(b) Determine the billing percentage (BP) as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, which represents the portion of the service provided by each Telephone Company.

(c) For Feature Groups A, B, C, and D Switched Access Services:

- multiply the number of access minutes of use times the number of airline miles, as set forth in (a) preceding, times the BP for each Telephone Company, as set forth in (b) preceding, times the Local Transport Facility rate*, (C)
- multiply the Local Transport Termination rate* times the number of access minutes. (C)

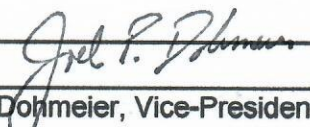
The Local Transport Termination rate* is applied as set forth in 17.2.2 following. The Switched Access Nonrecurring Charges are applied as set forth in 17.2.1 following. (Note: The BP is not applied to either the Switched Access Local Transport Termination Recurring Rate or any Nonrecurring Charge.) (C)

* As of July 1, 2021, the Joint Tandem Switched Transport rate element is applied per tandem to originating toll free minutes only, as set forth in Section 17.2.2 following, in lieu of the Tandem Switched Facility, Tandem Switched Termination and Tandem Switching rate elements.

(N)
|
(N)

ISSUED: June 1, 2021
EFFECTIVE: July 1, 2021

ISSUED BY:


Joel Dohmeier, Vice-President

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges

- (d) For Special Access, multiply the number of airline miles, as set forth in (a) preceding, times the BP for each Telephone Company, as set forth in (b) preceding, times the Channel Mileage Facility rate and add the Channel Mileage Termination rate.

The Special Access Channel Mileage Termination rate and nonrecurring charges are applied as set forth in 7.2.1(B)(2) and 7.2.2(C) following. (Note: The BP is not applied to either the Channel Mileage Termination Recurring Rate or any Nonrecurring Charge.)

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)

- (e) For Directory Assistance Service, multiply the Directory Transport rate times the number of directory assistance calls times the BP for each Telephone Company, as set forth in (b) preceding.

The Directory Assistance Nonrecurring charge is applied as set forth in 9.4.1(B) following. (Note: The BP is not applied to any Nonrecurring Charge.)

- (f) When three or more Telephone Companies are involved in providing an Access Service, the intermediate Telephone Company(s) will determine the appropriate charges as set forth in (c) and (d) preceding, except the Local Transport Termination or Channel Mileage Termination rate does not apply at the intermediate Telephone Company(s) offices.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-57

- 2.4 Payment Arrangements and Credit Allowances (Cont'd)
2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)
(B) Meet Point Billing (Cont'd)

- (3) Determination of Meet Point Billed Local Transport, Directory Transport
and Channel Mileage Charges (Cont'd)

- (g) Example - Switched Access

Layout

- Feature Group C Switched Access is ordered to End Office A.
- End Office A is in operating territory of Telephone Company A.
- Customer designated premises is in operating territory of Telephone Company B (Non-NECA).

Telephone Company A
(TCA)
Operating Territory

Telephone Company B
(TCB) (Non-NECA)
Operating Territory

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-58

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Directory
Transport and Channel Mileage Charges (Cont'd)

(g) Example - Switched Access (Cont'd)

The following examples reflect the rate calculations for a
NECA end office company (TC A). Rates for a Non-NECA
company would appear in that company's access tariff.

- Assume:

Airline miles (ALM) TC A premises to TC B premises = 22.1, rounded = 23.

Billing Percentage (BP)

TC A = 20%

TC B = 80%

Access Minutes (AM) = 9000

Local Transport Rates:

TC A: Local Transport Facility
Rate = LT FAC
Local Transport Termination
Rate = LT TERM

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-59

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)

(B) Meet Point Billing (Cont'd)

(3) Determination of Meet Point Billed Local Transport, Directory Transport and Channel Mileage Charges (Cont'd)

(g) Example - Switched Access (Cont'd)

- BP Rate Calculation:

Formula:

Access Minutes (AM) x Airline Miles (ALM) x
Billing Percentage (BP) x Local Transport
Facility Rate (LT FAC) + [Local Transport
Termination Rate (LT TERM) x Access Minute
(AM)] = Total

Calculation

TC A

AM ALM BP LT FAC LT TERM AM
9000 x 23 x .20 x LT FAC + [LT TERM x 9000] = Total

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-60

2.5 Connections

Equipment and Systems (i.e., terminal equipment, multi line terminating systems and communications systems) may be connected with Switched Access Service furnished by the Telephone Company where such connection is made in accordance with the provisions specified in Technical Publication PUB AS No. 1 and in Section 2.1.

2.6 Definitions

Certain terms used herein are defined as follows:

Access Code

The term "Access Code" denotes a uniform five or seven digit code assigned by the Telephone Company to an individual customer. The five digit code has the form 10XXX, and the seven digit code has the form 950-0XXX or 950-1XXX.

Access Minutes

The term "Access Minutes" denotes that usage of exchange facilities in intrastate service for the purpose of calculating chargeable usage. On the originating end of an intrastate call, usage is measured from the time the originating end user's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an intrastate call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an intrastate call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

Access Tandem

The term "Access Tandem" denotes a Telephone Company switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a Customer's premises.

Answer/Disconnect Supervision

The term "Answer Disconnect Supervision" denotes the transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the Customer's point of termination as an indication that the called party has answered or disconnected.

Attenuation Distortion

The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz, unless otherwise specified.

Automatic Number Identification

The term "Automatic Number Identification" denotes the Multi-Frequency (MF) signaling parameter that identifies the billing number of the calling party.

(N)
|
(N)

Bit

The term "Bit" denotes the smallest unit of information in the binary system of notation.

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: Joel P. Dohmeier
Joel Dohmeier, Vice-President

Business Day

The term "Business Day" denotes the time of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 A.M. to 5:00 or 6:00 P.M., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Telephone Company may vary based on company policy, union contract and location. To determine such hours for an individual company, or company location, that company should be contacted.

Busy Hour Minutes of Capacity (BHMC)

The term "Busy Hour Minutes of Capacity (BHMC)" denotes the Customer specified maximum amount of Switched Access Service access minutes the Customer expects to be handled in an end office switch during any hour in an 8:00 A.M. to 11:00 P.M. period for the Feature Group ordered. This Customer furnished BHMC quantity is the input data the Telephone Company uses to determine the number of transmission paths for the Feature Group ordered.

Call

The term "Call" denotes a Customer attempt for which the complete address code (e.g., O-, 911, or 10 digits) is provided to the serving dial tone office.

Calling Party Number

The term "Calling Party Number" denotes the SS7 out of band signaling parameter and the MF or other in band signaling parameters that identifies the subscriber line number or directory number of the calling party.

(N)
|
(N)

Carrier or Common Carrier

See Interexchange Carrier.

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: 
Joel Dohmeier, Vice-President

CCS

The term "CCS" denotes a hundred call seconds, which is a standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of servers (e.g., trunks).

Central Office

The term "Central Office" denotes a local Telephone Company switching system where Telephone Exchange Service Customer station loops are terminated for purposes of interconnection to each other and to trunks.

Central Office Prefix

The term "Central Office Prefix" denotes the first three digits (NXX) of the seven digit telephone number assigned to a Customer's Telephone Exchange Service when dialed on a local basis.

Channel(s)

The term "Channel(s)" denotes an electrical or photonic, in the case of fiber optic-based transmission systems, communications path between two or more points of termination.

Channelize

The term "Channelize" denotes the process of multiplexing/demultiplexing wider bandwidth or higher speed channels into narrower band-width or lower speed channels.

Charge Number (CN)

The term "Charge Number" denotes the SS7 out band signaling parameter and the MF or other in band signaling parameters that identifies the billing telephone number of the calling party.

(N)
|
(N)

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: Joe P. Dohmeier
Joe Dohmeier, Vice-President

Coin Station

The term "Coin Station" denotes a location where Telephone Company equipment is provided in a public or semipublic place where Telephone Company customers can originate telephonic communications and pay the applicable charges by inserting coins into the equipment.

Common Line

The term "Common Line" denotes a line, trunk, pay telephone line or other facility provided under the general and/or local exchange service tariffs of the Telephone Company, terminated on a central office switch. A common line-residence is a line or trunk provided under the residence regulations of the general and/or local exchange service tariffs. A common line-business is a line provided under the business regulations of the general and/or local exchange service tariffs.

Communications System

The term "Communications System" denotes channels and other facilities which are capable of communications between terminal equipment provided by other than the Telephone Company.

Conversation Minutes

The term "Conversation Minutes" denotes the measurement of minutes beginning when either answer supervision or an off-hook supervisory signal is received from the terminating end user's end office and ending when either disconnect supervision or an on-hook supervisory signal is received from the terminating end user's end office, indicating the called party has disconnected.

Customer(s)

The term "Customer(s)" denotes any individual, partnership, association, joint-stock company, trust, corporation, or governmental entity or other entity which subscribes to the services offered under this tariff, including but not limited to End Users, Interexchange Carriers (IC's), Toll Providers, local exchange providers, and other telecommunications carriers or providers of originating or terminating toll VoIP-PSTN traffic.

(C)
|
(C)

Decibel

The term "Decibel" denotes a unit used to express relative difference in power, usually between acoustic or electric signals, equal to ten (10) times the common logarithm of the ratio of two signal powers.

Decibel Reference Noise C-Message Weighting

The term "Decibel Reference Noise C-Message Weighting" denotes noise power measurements with C-Message weighting in decibels relative to a reference 1000 Hz tone of 90 dB below 1 milliwatt.

Decibel Reference Noise C-Message Referenced to O

The term "Decibel Reference Noise C-Message Referenced to O" denotes noise power in "Decibel Reference Noise C-Message Weighting" referred to or measured at a zero transmission level point.

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: 
Joel Dohmeier, Vice-President

Detail Billing

The term "Detail Billing" denotes the listing of each message and/or rate element for which charges to a customer are due on a bill prepared by the Telephone Company.

Directory Assistance

The term "Directory Assistance" denotes the provision of telephone numbers by a Telephone Company operator when the operator location is accessed by a customer by dialing (NPA) 555-1212.

Echo Path Loss

The term "Echo Path Loss" denotes the measure of reflected signal at a 4-wire point of termination without regard to the send and receive Transmission Level Point.

Echo Return Loss

The term "Echo Return Loss" denotes a frequency weighted measure of return loss over the middle of the voiceband (approximately 500 to 2500 Hz), where talker echo is most annoying.

Effective 2-Wire

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

Effective 4-Wire

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Telephone Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the customer's premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two wire interface combines the transmission paths into a single path.

End Office Switch

The term "End Office Switch" denotes a local Telephone Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to trunks. Included are Remote Switching Modules and Remote Switching Systems served by a host office in a different wire center.

End User

The term "End User" denotes any customer of an intrastate telecommunications service that is not a carrier, except that a carrier other than a telephone company shall be deemed to be an "End User" when such carrier uses a telecommunications service for administrative purposes.

Entry Switch

See First Point of Switching

Equal Level Echo Path Loss

The term "Equal Level Echo Path Loss" (ELEPL) denotes the measure of Echo Path Loss (EPL) at a 4-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP) [ELEPL = EPL - TLP (send) TLP (receive)].

Expected Measured Loss

The term "Expected Measured Loss" denotes a calculated loss which specifies the end-to-end 1004-Hz loss on a terminated test connection between two readily accessible manual or remote test points. It is the sum of the inserted connection loss and test access loss including any test pads.

Exchange

The term "Exchange" denotes a unit generally smaller than a Local Access and Transport Area, established by the Telephone Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area. One or more designated exchanges comprise a given Local Access and Transport Area.

Field Identifier

The term "Field Identifier" denotes two to four characters that are used on service orders to convey specific instructions. Field Identifiers may or may not have associated data. Selected Field Identifiers are used in Telephone Company billing systems to generate nonrecurring charges.

First Come - First Served

The term "First Come - First Served" denotes a procedure followed when a shortage of facilities or equipment occurs, such that an Access Service ordered cannot be installed. The orders delayed by the shortage of facilities will be prioritized according to the sequence in which they were received. That is, when facilities or equipment become available, the first order received will be the first order processed.

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-69

First Point of Switching

The term "First Point of Switching" denotes the first Telephone Company location at which switching occurs on the terminating path of a call proceeding from the customer's premises to the terminating end office and, at the same time, the last Telephone Company location at which switching occurs on the originating path of a call proceeding from the originating end office to the customer's premises.

Frequency Shift

The term "Frequency Shift" denotes the change in the frequency of a tone as it is transmitted over a channel.

Grandfathered

The term "Grandfathered" denotes Terminal Equipment, Multiline Terminating Systems and Protective Circuitry directly connected to the facilities utilized to provide services under the provisions of this tariff, and which are considered grandfathered under Part 68 of the F.C.C.'s Rules and Regulations.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-70

Host Office

The term "Host Office" denotes an electronic switching system which provides call processing capabilities for one or more Remote Switching Modules or Remote Switching Systems.

Immediately Available Funds

The term "Immediately Available Funds" denotes a corporate or personal check drawn on a bank account and funds which are available for use by the receiving party on the same day on which they are received and include U.S. Federal Reserve bank wire transfers, U.S. Federal Reserve notes (paper cash), U.S. coins, U.S. Postal Money Orders and New York Certificates of Deposit.

Impedance Balance

The term "Impedance Balance" denotes the method of expressing Echo Return Loss and Singing Return Loss at a 4-wire interface whereby the gains and/or loss of the 4-wire portion of the transmission path, including the hybrid, are not included in the specification.

Individual Case Basis

The term "Individual Case Basis" denotes a condition in which the regulations, if applicable, rates and charges for an offering under the provisions of this tariff are developed based on the circumstances in each case.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

2.6 **DEFINITIONS** (Continued)

Inserted Connection Loss

The term "Inserted Connection Loss" denotes the 1004 Hz power difference (in dB) between the maximum power available at the originating end and the actual power reaching the terminating end through the inserted connection.

Interexchange Carrier (IC) or Interexchange Common Carrier

The terms "Interexchange Carrier" (IC) or "Interexchange Common Carrier" denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation, other than the Telephone Company, authorized by the New Hampshire Public Utilities Commission, and engaged for hire in intrastate communications by wire or radio, between two or more exchanges.

Internet Protocol (IP) Signaling

The term "Internet (IP) Signaling" denotes a packet data-oriented protocol used for communicating call signaling information.

Interstate Communications

The term "Interstate Communications" denotes both interstate and foreign communications.

Intrastate Communications

The term "Intrastate Communications" denotes any communications within a state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

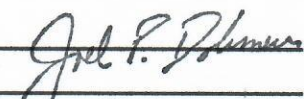
Joint Tandem Switched Transport

The term "Joint Tandem Switched Transport" denotes the rate element assessable for the transmission of originating toll free minutes. The rate element includes both the transport between the end office and the tandem switch and the tandem switching. It does not include transport of traffic over dedicated transport facilities between the serving wire center and the tandem switching office.

(N)
|
(N)

ISSUED: June 1, 2021
EFFECTIVE: July 1, 2021

ISSUED BY:


Joel Donmeier, Vice-President

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-72

Legal Holiday

The term "Legal Holiday" denotes days other than Saturday or Sunday on which the Telephone Company is normally closed. These include New Year's Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Christmas Day and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed and other locally observed holidays when the Telephone Company is closed.

Line Side Connection

The term "Line Side Connection" denotes a connection of a transmission path to the line side of a local exchange switching system.

Local Access and Transport Area

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

Local Calling Area

The term "Local Calling Area" denotes a geographical area, as defined in NHPUC - No. 75 tariff, in which an end user (Telephone Exchange Service subscriber) may complete a call without incurring MTS charges.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

Local Tandem Switch

The term "Local Tandem Switch" denotes a local Telephone Company switching unit by which local or access telephonic communications are switched to and from an End Office Switch.

Loss Deviation

The term "Loss Deviation" denotes the variation of the actual loss from the designed value.

Major Fraction Thereof

The term "Major Fraction Thereof" is any period of time in excess of 1/2 of the stated amount of time. As an example, in considering a period of 24 hours, a major fraction thereof would be any period of time in excess of 12 hours exactly. Therefore, if a given service is interrupted for a period of thirty-six hours and fifteen minutes, the Customer would be given a credit allowance for two twenty-four hour periods for a total of forty-eight hours.

Message

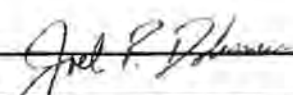
The term "Message" denotes a Call as defined preceding.

Multi-Frequency (MF Signaling)

The term "Multi-Frequency (MF) Signaling" denotes an in-band signaling method in which call signaling information is transmitted between network switches using the same voice band channel used for voice.

(N)
|
(N)

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: 
Joel Dohmeier, Vice-President

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-74

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 charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of the telecommunications system.

North American Numbering Plan

The term "North American Numbering Plan" denotes a three-digit area (Numbering Plan Area) code and a seven-digit telephone number made up of a three-digit Central Office code plus a four-digit station number.

Off-hook

The term "Off-hook" denotes the active condition of Switched Access or a Telephone Exchange Service line.

On-hook

The term "On-hook" denotes the idle condition of Switched Access or a Telephone Exchange Service Line.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

Operator Services Provider

The term "Operator Services Provider" denotes the interstate provider of operator services to which an end user placing an operator assisted call is connected when the end user's per-subscribed Interexchange Carrier designates a provider of operator services to handle its operator traffic.

Originating Direction

The term "Originating Direction" denotes the use of Switched Access Service for the origination of calls from an End User premises to a customer's premises.

(C)


Pay Telephone

The term "Pay Telephone" denotes Telephone Company provided instruments and related facilities that are available to the general public for public convenience and necessity, including public and semipublic telephones, and coinless telephones.

Point of Termination

The term "Point of Termination" denotes the demarcation point or network interface, at which the Telephone Company's responsibility for the provision of Access Service ends. The point of demarcation or network interface is the point of interconnection between Telephone Company communications facilities and Customer provided facilities as defined in Section 68.3 of the Federal Communications Commission's Rules and Regulations.

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: 
Joel Dohmeier, Vice-President

Premises

The term "Premises" denotes a building or buildings on continuous property (except Railroad Right-of Way, etc.) not separated by a public highway.

Remote Switching Modules/Systems

The term "Remote Switching Modules/Systems" denotes small, remotely controlled electronic end office switches which obtain their call processing capability from an electronic Host Central Office. The Remote Switching Modules/Systems cannot accommodate direct trunks to a customer's premises.

(C)

(C)

Return Loss

The term "Return Loss" denotes a measure of the similarity between the two impedances at the junction of two transmission paths. The higher the return loss, the higher the similarity.

Service Access Code

The term "Service Access Code" denotes a 3 digit code in the NPA format which is used as the first three digits of a 10 digit address and which is assigned for special network uses. Whereas NPA codes are normally used for identifying specific geographical areas, certain Service Access Codes have been allocated in the North American Numbering Plan to identify generic services or to provide access capability. Examples of Service Access Codes include the 800 and 900 codes.

Terminating Direction

The term "Terminating Direction" denotes the use of access service for the completion of calls from a customer's premises to an End User premise.

(N)

Toll VoIP-PSTN Traffic

The term "Toll VoIP-PSTN Traffic" denotes a customer's interexchange voice traffic exchanged with the Telephone Company in Time Division Multiplexing (TDM) format over PSTN facilities, which originates and or terminates in Internet Protocol (IP) format. "Toll VoIP-PSTN Traffic" originates and/or terminates in IP format when it originates from and/or terminates to an end user customer of a service that requires IP-compatible customer premise equipment.

(N)

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: 
Joel Dohmeier, Vice-President

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-79

Two-Wire to Four-Wire Conversion

The term "Two-Wire to Four-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity (e.g., central office switch).

Service and Equipment Code (S&E Code)

The term "Service and Equipment Code" denotes a three or five character alphabetic, numeric, or an alphanumeric code that identifies a specific item of service or equipment. Service and Equipment Codes are used in the Telephone Company billing system to generate recurring rates and nonrecurring charges.

V and H Coordinates Method

The term "V and H Coordinates Method" denotes a method of computing airline miles between two points by utilizing an established formula which is based on the vertical and horizontal coordinates of the two points.

WATS Serving Office

The term "WATS Serving Office" denotes a telephone company designated serving wire center where switching, screening and/or recording functions are performed in connection with the closed end of MATS or WATS-type services.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 2-80

Wire Center

The term "Wire Center" denotes a building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
3. <u>Carrier Common Line Access Service</u>	3-1
3.1 <u>Limitations</u>	3-1
3.2 <u>Undertaking of the Telephone Company</u>	3-2
3.3 <u>Obligations of the Customer</u>	3-2
3.4 <u>Determination of Usage Subject to Carrier Common Line Access Charges</u>	3-3
3.5 <u>Resold Services</u>	3-3
3.6 <u>Coin Services</u>	3-4
3.7 <u>Rate Regulations</u>	3-7

3. Carrier Common Line Access Service

The Telephone Company will provide Carrier Common Line Access Service to customers in conjunction with Switched Access Service provided in Section 6.

Carrier Common Line Access provides for the use of end users' Telephone Company provided common lines by customers for access to such end users to furnish Intrastate Communications.

Carrier Common Line Access also provides for the use of Switched Access Service terminating in 800 Access Line Service.

3.1 Limitations

3.1.1 Exclusions

Neither a telephone number nor detail billing are provided with Carrier Common Line Access. Additionally, directory listings and intercept arrangements are not included in the rates and charges for Carrier Common Line Access.

3.1.2 Access Groups

All trunk side connections provided in the same access group will be limited to the same features and operating characteristics.

All line side connections provided in the same access group will be limited to the same features and operating characteristics.

3.1.3 This Section Reserved for Future Use

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

3.2 Undertaking of the Telephone Company

3.2.1 Provision of Service

Where the customer is provided with Switched Access Service under this tariff, the Telephone Company will provide the use of Telephone Company common lines by a customer for access to end users at rates and charges as set forth in Section 17.1.

3.2.2 Interstate and Intrastate Use

The Switched Access Service provided by the Telephone Company includes the Switched Access Service provided for both interstate and intrastate communications. The Common Carrier Line Access rates and charges as set forth in Section 17.1 apply to intrastate Switched Access Service access minutes in accordance with the rate regulations as set forth in Section 3.7.

3.3 Obligations of the Customer

3.3.1 Switched Access Service Requirement

The Switched Access Service associated with Carrier Common Line Access shall be ordered by the customer under other sections of this tariff.

3.3.2 Supervision

The customer facilities at the premises of the ordering customer shall provide the necessary on-hook and off-hook supervision.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

3.4 Determination of Usage Subject to Carrier Common Line Access Charges

Except as set forth herein, all Switched Access Service provided to the customer will be subject to Carrier Common Line Access charges.

3.4.1 Determination of Jurisdiction

When the customer reports interstate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the customer for both interstate and intrastate will be apportioned as set forth in Section 17.1.

3.4.2 Local Exchange Access and Enhanced Services Exemption

When access to the local exchange is required to provide a customer service (e.g., MTS-type, telex, Data, etc.) that uses resold IC's private line service, Switched Access Service Rates and Regulations, as set forth in Section 6 will apply except when such access to the local exchange is required for the provision of an enhanced service. Carrier Common Line Access rates and charges are as set forth in Section 17.1.

3.5 Resold Services

3.5.1 Where the customer is reselling MTS and/or MTS-type service(s) on which the Carrier Common Line and Switched Access charges have been assessed, the customer will obtain Feature Groups A, B or D Switched Access Service as set forth in Section 6 for originating and/or terminating access in the local exchange. Such access group arrangements whether single trunks or trunk groups will have Carrier Common Line Access Charges applied as set forth in Section 3.8.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

3.6 Coin Services

3.6.1 Collection and Remittance of Coin Station Monies

When the Customer is provided Operator Trunk-Full Feature for sent-paid pay telephone access as set forth in Section 6 following, the Telephone Company will collect sent-paid monies from pay telephone stations and will remit monies to the Customer as set forth in Section 3.6. The Telephone Company will provide the message call detail format and bill periods used to determine the monies upon request from the Customer.

3.6.2 Provision Of Message Call Detail Concerning Coin Station Monies

Where Operator Trunk-Full Feature for sent-paid pay telephone access is provided to the Customer and the Customer wishes to receive the monies it is due for the monies collected by the Telephone Company from coin pay telephone stations, the Customer will furnish to the Telephone Company, at a location specified by the Telephone Company, the Customer message call detail for the Customer sent-paid (coin) pay telephone calls in accordance with the Telephone Company collection schedule. The Customer message call detail furnished shall be in a standard format established by the Telephone Company. The Telephone Company will provide to the Customer the precise details of the required standard format. If, in the course of Telephone Company business, it is necessary to change the standard format, the Telephone Company will provide notification to the involved Customer six months prior to the change. If no Customer message call detail is received from the Customer for each bill period established by the Telephone Company, the Telephone Company will assume there were no Customer sent-paid (coin) pay telephone calls for the period. In addition the Customer shall furnish a schedule of its charges for sent-paid (coin) calls to the Telephone Company at a location and date as specified by the Telephone Company. Any change in the Customer's schedule of charges will be furnished to the Telephone Company one day after the change becomes effective.

3.6.3 Payment of Coin Sent-Paid Monies

The Telephone Company will collect the monies from coin pay-telephone stations and will determine and remit amounts due to a Customer which is provided Operator Trunk-Full Feature for sent-paid pay telephone access as set forth in Section 3.6 as follows:

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

3.6.3 Payment of Coin Sent-Paid Monies (Cont'd)

(A) Bill Period Coin Revenue

The Telephone Company will establish a collection schedule for each coin pay telephone station and will collect the monies from the coin pay stations based on this collection schedule. The monies collected based on this schedule during each bill period established by the Telephone Company will be identified by coin pay telephone station and summed to develop the Bill Period Coin Revenue for each coin record day (i.e., the day a record is prepared and dated to show the amount due the Customer).

(B) Total Customer Coin Revenue

The intrastate Total Customer Coin Revenue will be determined by the Telephone Company based on the customer message call detail received from the customer for each bill period and the Customer's schedule of charges for sent-paid coin calls. Such Total Customer Coin Revenue will be developed each coin record day.

(C) Recourse Adjustments

For each coin record day, the Telephone Company will subtract from the Total Customer Coin Revenue an amount for coin station shortages. Coin station shortages are amounts resulting from unauthorized calling at coin pay telephone stations, use of unauthorized coins (i.e., foreign coins, slugs and improper use of U.S. pennies), unauthorized removal of coins from coin pay telephone stations and coin refunds beyond the Telephone Company's control. Such amount for coin station shortages will be developed by the Telephone Company by multiplying the Total Customer Coin Revenue for each coin record day by a shortage factor. Such amount will be rounded to the nearest penny. The shortage factor will be determined by dividing the yearly total coin shortage amount by the yearly total coin revenue amount (i.e., total coin revenue equals the coin revenue due under exchange tariffs, state toll tariffs, and interstate toll tariffs). The total coin shortage amount and the total revenue amount will be determined by the Telephone Company through an annual special study.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

3.6.3 Payment of Coin Sent-Paid Monies (Cont'd)

(D) Payment of Net Customer Coin Revenue

The Telephone Company will determine the Net Customer Coin Revenue for each coin record day by subtracting from the Total Customer Coin Revenue determined as set forth in (B) preceding the amount for coin station shortages determined as set forth in (C) preceding. On the date (payment date) determined by adding 45 days to the coin record day, the Telephone Company will remit payment to the Customer for the Net Customer Coin Revenue.

(E) Audit Provisions

Upon reasonable written notice by the Customer to the Telephone Company, the Customer will have the right through its authorized representative to examine and audit, during normal business hours and at reasonable intervals as determined by the Telephone Company, all such records and accounts as may under recognized accounting practices contain information bearing upon the determination of the amount payable to the Customer. Adjustment will be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise, unless such statement expressly waiving such right appears in a letter signed by the authorized representative of the party having such right and delivered to the other party.

All information received or reviewed by the Customer or its authorized representative is to be considered confidential and is not to be distributed, provided or disclosed in any form to anyone not involved in the audit, nor is such information to be used for any other purpose.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

3.7 Rate Regulations

3.7.1 Billing Of Charges

Unless otherwise specified in Section 3.7.4, the Carrier Common Line Access Charges will be billed to each Switched Access Service provided under this tariff in accordance with the regulations as set forth in Sections 2.4 and 3.7.5.

3.7.2 Measuring and Recording Of Call Detail

When access minutes are used to determine Carrier Common Line charges, they will be accumulated using call detail recorded by Telephone Company equipment except as set forth in Section 3.7.3. The Telephone Company measuring and recording equipment except as set forth in Section 3.7.3 will be associated with end office or local tandem switching equipment and will record originating access minutes and terminating access minutes where answer supervision is received. The accumulated access minutes will be summed on a line by line basis, by line group or end office, whichever type of account is used by the Telephone Company, for each customer and then rounded to the nearest minute.

3.7.3 Unmeasured Feature Group B Usage

When Carrier Common Line Access is provided in association with Feature Groups A or B Switched Access Service in Telephone Company offices that are not equipped for measurement capabilities, assumed average intrastate access minutes will be used to determine Carrier Common Line Access charges. The assumed access minutes are as set forth in Section 6.7.6.

3.7.4 Percent Interstate Use (PIU)

When the customer reports interstate and intrastate use of Switched Access Service, the Carrier Common Line Access Minutes will be adjusted as follows. The Carrier Common Line Access minutes, developed by the Telephone Company, will be multiplied by the percentages reported by the customer as set forth in Section 2.3.10. The result will be used to determine the Carrier Common Line Charges as set forth in Section 3.7.5.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

3.7.5 Determination of Charges

After the adjustments as set forth in Section 3.7.4 have been applied, when necessary, to the Carrier Common Line access minutes, the charges for the involved customer account will be determined as follows:

- (A) The access minutes for all Switched Access Service subject to Carrier Common Line charges will be multiplied by the per minute rate as set forth in Section 17.1 to determine the charges.
- (B) The Terminating Switched Access per minute charges specified in Section 17.1 apply to all non-800 Access terminating access minutes of use. The Terminating Switched Access per minute charges specified in Section 17.1 also apply to all terminating 800 Access minutes of use which terminate on a common line. The number of such minutes will be obtained from reports furnished by the customer as specified in Section 2.3.10.
- (C) The Terminating 800 Access Service per minute charge(s) as specified in Section 17.1 apply to all 800 terminating usage which terminates in a WATS Access Line Service. The number of such minutes will be obtained from reports furnished by the customer as specified in Section 2.3.10.
- (D) The Originating Switched Access per minute charge(s) set forth in Section 17.1, apply to all non-800 originating access minutes of use less those originating access minutes of use associated with FGA Access Services where the off-hook supervisory signaling is forwarded by the customer's equipment when the called party answers. For FGA Access Service where off-hook supervisory signaling is forwarded by the customer's equipment, the Terminating Switched Access per minute charge(s) set forth in Section 17.1 apply.
- (E) The Terminating Switched Access per minute charge(s) set forth in Section 17.1 apply to all originating access minutes of use associated with calls placed to 800 numbers. The Terminating Switched Access per minute charge(s) also apply to all originating usage which terminates in WATS Access Line Service. The number of such minutes will be obtained from reports furnished by the customer as set forth in Section 2.3.10.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
4. <u>RESERVED FOR FUTURE USE</u>	4-1

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 4-1

4. RESERVED FOR FUTURE USE

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
5. <u>Access Ordering</u>	5-1
5.1 <u>General</u>	5-1
5.2 <u>Ordering Requirements</u>	5-5
5.3 <u>Access Orders For Services Provided By More Than One Telephone Company</u>	5-15
5.4 <u>Charges Associated with Access Ordering</u>	5-18
5.5 <u>Minimum Periods and Cancellations</u>	5-23

5. Access Ordering

5.1 General

This section sets forth the regulations and order related charges for services set forth in other sections of this tariff. Order related charges are in addition to other applicable charges for the services provided.

An Access Order is an order to provide the customer with Switched and Special Access or Access Related Service or to provide changes to existing services.

The regulations, rates and charges for special construction are set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 3 and are in addition to the regulations, rates and charges specified in this section.

A customer may order any number of services of the same type and between the same premises on a single Access Order. All details for services for a particular order must be identical except for those for multipoint service.

The customer shall provide to the Telephone Company the order information required in 5.2 following, and in addition the customer must also provide:

- Customer name and premises address(es).
- Billing name and address (when different from customer name and address).
- Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

5.1 General (Cont'd)

5.1.1 Service Installation

The Telephone Company will provide the Access Service in accordance with the Customer's requested service date, subject to the constraints established by the Telephone Company schedule of applicable service dates.

The Telephone Company shall make available to all customers, upon request, a schedule of applicable service intervals for Switched and Special Access Services. The schedule shall specify the applicable service interval for services and the quantities of services that can be provided by a requested service date. Any associated material will be provided upon request and within a reasonable period of time.

The Telephone Company will not accept orders for service dates which exceed the applicable service date by more than six months.

Access Services will be installed during Telephone Company business days. If a customer requests that installation be done outside of scheduled work hours, and the Telephone Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in 17.4.3(A) following.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.1 General (Cont'd)

5.1.2 Expedited Orders

When placing an Access Order, a customer may request a service date that is prior to the applicable service date. Additionally, a customer may also request an earlier service date on a pending Access Order. In this case, an access order modification as set forth in 5.4 following would be required. If the Telephone Company determines that the service can be provided on the requested date and that additional labor cost or extraordinary costs are required to meet the requested service date, the customer will be notified and will be provided with an estimate of the additional charges involved. Charges will be billed at actual cost, not to exceed 10 percent over estimated charges. Such additional charges will be determined and billed to the customer as explained following.

To calculate the additional labor charges, the Telephone Company will, upon authorization from the customer to incur the additional labor charges, keep track of the additional labor hours used to meet the request of the customer and will bill the customer at the applicable Additional Labor charges as set forth in 17.4.3(A) following.

To develop, determine and bill the customer the extraordinary costs which may be involved, the Special Construction terms and conditions as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 3 will be used by the Telephone Company. Authorization to incur the costs and to bill the customer will be in accordance with the terms and conditions of NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 3.

When the request for expediting occurs subsequent to the issuance of the Access Order, a Service Date Change Charge as set forth in 17.4.1(B) following also applies.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.1 General (Cont'd)

5.1.3 Selection of Facilities for Access Orders

The option to request a specific transmission path or channel is not provided except for High Capacity Facilities Special Access, or as provided for under Special Facilities Routing as set forth in Section 11 following.

When there are High Capacity facilities to a hub on order or in service for the customer's use, the customer may request a specific channel or transmission path be used to provide the Switched or Special Access Service requested in an Access Order. The Telephone Company will make a reasonable effort to accommodate the customer request.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements

5.2.1 Switched Access Service

(A) Feature Group A

Orders for Feature Group A Switched Access Service shall be in lines.

When placing an order for Feature Group A Switched Access Service, the customer shall provide the following information in addition to that set forth in 5.1 preceding:

- The number of lines and the first point of switching (i.e., Dial Tone Office)
- Optional Features
- Whether the Off-hook Supervisory Signaling is provided by the customer's equipment before the called party answers, or is forwarded by the customer's equipment when the called party answers
- Lines to be provided as single lines
- Lines to be arranged in multiline hunt group arrangements
- Directionality (1-way, 2-way, etc.)
- A projected percentage of intrastate use (PIU) as set forth in 2.3.10 and 2.3.11 preceding
- The Interexchange Carrier to which the service is connected or, in the alternative, specify the means by which the FGA access communications are transported to another lata.
- A certificate of convenience and necessity from the New Hampshire Public Service Commission.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(B) Feature Group B

Orders for Feature Group B Switched Access Service shall be in trunks.

When placing an order for Feature Group B Service, the customer shall provide, the following information in addition to that set forth in 5.1 preceding:

- The number of trunks
- The end office, except when FGB is provided through a centralized equal access arrangement, when direct routing is desired
- The access tandem office when tandem routing is desired
- Optional Features
- Trunks to be provided as single trunks
- Trunks to be arranged in trunk group arrangements
- Directionality (1-way, 2-way, etc.)
- A projected percentage of intrastate use (PIU) as set forth in 2.3.10 and 2.3.11 preceding
- The Interexchange Carrier to which the service is connected or, in the alternative, specify the means by which the FGB access communications are transported to another state.
- The access code dialing arrangement (i.e., a uniform access code of 950-XXXX or an Abbreviated Dialing Arrangement (ADA) access code of N or NX).
- For Feature Group B switched access service to a Mobile Telephone Switching Office (MTSO) directly interconnected to a Telephone Company access tandem office, the customer shall provide information to the Telephone Company indicating the NXX code(s) to be accessed.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(C) Feature Group C, Feature Group D, Interim NXX Translation, Operator Transfer Service, and SS7 Signaling

When placing an order for Feature Group C and D Switched Access Service, the customer shall provide:

- The number of BHMC from the customer designated premises to the end office or Operator Transfer Service Location by Feature Group and by type of BHMC, or
- For customers other than providers of MTS/WATS, the number of trunks desired between customer designated premises and an entry switch, or Operator Transfer Service location.
- The number of BHMC or trunks (for customers other than providers of MTS or WATS) required for or to be converted to an SS7 Signaling capability.
- Optional Features
- Interim NXX Translation Options.
- Operator Transfer Service Option
- A projected percentage of intrastate use (PIU) as set forth in 2.3.10 and 2.3.11 preceding.
- For Feature Group D switched access service to a Mobile Telephone Switching Office (MTSO) directly interconnected to a Telephone Company access tandem office, the customer shall provide information to the Telephone Company indicating the NXX code(s) to be accessed.

When BHMC information is provided it is used to determine the number of transmission paths. The BHMC may be determined by the customer in the following manner. For each day (8 am to 11 pm, Monday through Friday, excluding national holidays), the customer shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 AM hour). The customer shall, for the same hour period (i.e., busy hour) for each of twenty consecutive business days, pick the twenty consecutive business days in a calendar year which add up to the largest number of minutes of use. Both originating and terminating minutes shall be included. The customer shall then determine the average busy hour minutes of capacity (i.e., BHMC) by dividing the largest number of minutes of use figure for the same hour period for the consecutive twenty business day period by 20. This computation shall be performed for each end office the customer wishes to serve. These determinations thus establish the forecasted BHMC for each end office.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(C) Feature Group C, Feature Group D, Interim NXX Translation, Operator Transfer Service and SS7 Signaling (Cont'd)

Customers other than MTS/WATS providers may, at their option, order FGD by specifying the number of trunks desired between customer designated premises and an end office, access tandem, or operator services location. When ordering by trunk quantities rather than BHMC quantities to an access tandem, the customer must also provide the Telephone Company an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Telephone Company in its own efforts to project further facility requirements.

When Feature Group C or D is ordered with the Interim NXX Translation optional feature, the customer shall specify the Service Access Code(s) (e.g., 900, 500) and their associated NXX code(s) to be translated within the entire LATA or Market Area. The initial and subsequent orders to add, change, or delete Interim NXX Translation codes shall be placed separately or in combination with orders to change Feature Group C or D Switched Access BHMC or trunks. Customer assigned NXX codes which have not been ordered will be blocked.

Orders for the Interim NXX Translation optional feature shall not be required until such time as a customer other than an MTS/WATS provider requests Interim NXX Translation of Service Access Codes. Upon receipt of such order, the Telephone Company shall notify the MTS/WATS provider of the activation of the Interim NXX Translation Service for the Service Access Code. Following such initial activation, all customers are required to place orders for Interim NXX Translation of the Service Access Code and the Interim NXX Translation charge for the Service Access Code shall apply as set forth in 17.2.1(C) following.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(C) Feature Group C, Feature Group D, Interim NXX Translation, Operator Transfer Service, and SS7 Signaling (Cont'd)

For the Operator Transfer Service Option ordered in conjunction with Feature Group C or Feature Group D Switched Access Service, the customer must specify the number of trunks or BHMCs desired between its premises and the Telephone Company operator services location.

Operator Transfer Service is provided at operator services locations as set forth in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

(D) Directory Assistance

Orders for Directory Assistance service shall be in BHMCs.

When placing an order for Directory Assistance service, the customer shall provide the following information:

- The number of BHMCs from the customer designated premises to the Directory Assistance location
- If Switched Access is required on the terminating end of the DA call, as set forth in Section 9. following, the Feature Group B, C or D Switched Access Service Trunk Group to be associated with the DA service.
- Directory Transport options.

The BHMC information is used to determine the number transmission paths as set forth in 9.2.6 following.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements (Cont'd)

5.2.1 Switched Access Service (Cont'd)

(E) SS7 Optional Feature

When Feature Group C or D is ordered with the SS7 optional feature, in addition to information listed in 5.2.1 preceding, the customer shall specify a reference to existing signaling connections or reference a related SS7 signaling connection order. When ordering SS7 signaling, the customer shall provide the Signaling Transfer Point codes, location identifier codes and circuit identifier codes. In addition, the customer shall work cooperatively with the Telephone Company to determine the number of SS7 signaling connections required to handle its signaling traffic.

For 800 Data Base Access Service, the customer must order FGC or FGD to those access tandems or end offices designated as Service Switching Points (SSP) for 800 Data Base service or to those non-SSP equipped end offices that can accommodate direct trunking of originating 800 calls. SSP equipped end offices that can accommodate direct trunking of originating 800 calls are designated in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC NO. 4, WIRE CENTER INFORMATION. All traffic originating from end offices not equipped to provide SS7 signaling and routing or not able to accommodate direct trunking of originating 800 calls require routing via an access tandem where SSP functionality is available.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements (Cont'd)

5.2.2 Special Access Service

When placing an order for Special Access Service the customer must specify:

- the customer designated premises or hubs involved
- type of service (e.g., Voice Grade, High Capacity, etc.)
- the channel interface(s)
- technical specification package
- options desired
- for multipoint services, the channel interface at each customer designated premises may, at the request of the customer, be different but all such interfaces shall be compatible.
- that the traffic consists of less than ten percent interstate traffic.

All part-time Video and Program Audio services are subject to a service inquiry. A service inquiry is a request to the Telephone Company to determine if facilities exist to provide the service ordered and to determine the service date on which service can be provided to the customer.

Where the Special Access Service is exempt from the Special Access Surcharge, as set forth in 7.3 following the customer shall furnish written certification to that effect as set forth in 7.3.3 following.

When ordering bridging and/or multiplexing, the Customer must specify the telephone company hub(s) from which they desire service. The Customer must specify only those hubs that provide the type of service ordered and interconnect with the wire center(s) from which the customer requires service. The Wire Center section of National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies hub types (e.g., Digital Data, High Capacity Multiplexing, etc.) and hub levels (i.e., Hub, Terminus Hub, Intermediate Hub and Super-Intermediate Hub). Additionally, the Subtending section of Tariff F.C.C. No. 4 identifies wire centers and the Intermediate and/or Super-Intermediate Hubs with which they interconnect.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements (Cont'd)

5.2.2 Special Access Service (Cont'd)

Term Discounts-Upgrades in Capacity (DS1 to DS3)

- The customer's order for the disconnect of the existing DS1 Service and the installation of the new DS3 Service are received at the same time and specifically reference the application of upgrade in capacity.
- The customer's disconnect order for the existing DS1 Service must reference the DS3 Service installation order.

Customer orders to install and disconnect DS1 or DS3 services provided under a Term Discount plan where the number of DS1s or DS3s remains constant and the customer wishes to maintain the existing Term Discount period and minimum service period must:

- Be received at the same time.
- Reference continuation of the existing Term Discount period and the minimum service period on both the installation and disconnect orders.

DS3 Capacity Discounts - Upgrades

- The customer's order for the disconnect of the current DS3 Capacity Interface and order for the installation of the upgraded DS3 Capacity Interface are received by the telephone company at the same time and specifically reference the application of upgrade in capacity.

The customer's disconnect order for the existing DS3 Service must reference the installation order.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements (Cont'd)

5.2.3 WATS or WATS-Type Services

Special Access Service may be ordered for connection with FGA, FGB, FGC or FGD Switched Access Service at Telephone Company designated WATS Serving Offices (WSOs) for the provision of WATS or WATS-type Services and may be ordered separately by a customer other than the customer which orders the FGA, FGB, FGC or FGD Switched Access Service. For the Special Access Service the customer shall specify:

- the customer designated premises at which the Special Access service terminates
- the type of line (i.e., two-wire or four-wire)
- the type of calling (i.e., originating, terminating or two-way)
- type of Supervisory Signaling.

When the optional screening, switching and/or recording functions are not provided at the customer serving wire center, Channel Mileage, as set forth in 7.2.1 following, must be ordered between that wire center and the nearest WSO where the screening, switching and/or recording functions can be provided.

5.2.4 Mixed Use Facilities - Switched and Special Access

Mixed use is the provision of both Switched and Special Access Services over the same High Capacity facilities. Mixed use facilities to a hub will be ordered and provided as Special Access Service. Where mixed use is employed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Service as further elaborated and set forth in 7.2.7 following and in Section 6.4.7 of the NECA F.C.C. No. 5 Tariff. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.2 Ordering Requirements (Cont'd)

5.2.5 Miscellaneous Services

Testing Service, Additional Labor, Telecommunications Service Priority and Special Facilities Routing shall be ordered with an Access Order or may subsequently be added to a pending order at any time up to and including the service date for the access service. When miscellaneous services are added to a pending order a service date change may be required. When a service date change is required, the service date change charge as set forth in 17.4.1(A) following will apply. When miscellaneous services are added to a pending order, charges for a design change as set forth in 17.4.1(C) following will apply when an engineering review is required. If both a service date change and an engineering review are required, both the Service Date Change Charge and the Design Change Charge will apply as set forth in 5.4.3 following.

The rates and charges for these services, as set forth in Section 17. of this tariff, will apply in addition to the ordering charges set forth in Section 17. and the rates and charges for the Access Service with which they are associated.

Additional Engineering is not an ordering option, but will be applied to an Access Order when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering will only be required as set forth in 13.1 following. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Telephone Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10%.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.3 Access Orders For Services Provided By More Than One Telephone Company

Access Services provided by more than one Telephone Company are services where one end of the Local Transport, Directory Transport or Channel Mileage element is in the operating territory of one Telephone Company and the other end of the element is in the operating territory of a different Telephone Company or where the Interim NXX Translation Service and the end office are not provided by the same Telephone Company.

The ordering procedure for this service is dependent upon the billing arrangement, as set forth in 2.4.7 preceding, to be used by the Telephone Companies involved in providing the Access Service. The Telephone Company will notify the customer which of the ordering procedures will apply.

5.3.1 Non Meet Point Billing Ordering - FGA

(A) Single Company Billing Ordering

The Telephone Company receiving the order from the customer will arrange to provide the service and bill the customer as set forth in 2.4.7(A)(1). The customer will place the order with the Telephone Company as follows:

For FGA Switched Access Services the customer will place the order with the Telephone Company in whose territory the first point of switching is located. The first point of switching is the dial tone office.

When the first point of switching is not in the same Telephone Company's territory as the Interexchange Carrier premises, the customer must supply a copy of the order to the Telephone Company in whose territory the Interexchange Carrier premises is located and any other Telephone Company(s) involved in providing the service.

When service is provided through a centralized equal access provider, the customer must supply a copy of the order to that provider.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.2 Meet Point Billing Ordering

Each Telephone Company will provide its portion of the Access Service within its operating territory to an interconnection point(s) with the other Telephone Company(s). Billing Percentages will be determined by the Telephone Companies involved in providing the Access Service and listed in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. Each Telephone Company will bill the customer for its portion of the service as set forth in 2.4.7(B). All other appropriate charges in each Telephone Company tariff are applicable.

For the service(s) ordered as set forth following, the customer must also supply a copy of the order to the Telephone Company in whose operating territory a customer designated premises is located and any other Telephone Company(s) involved in providing the service. Additionally, when service is provided through a centralized equal access provider, the customer must supply a copy of the order to that provider.

(A) For Feature Group A and B Switched Access Services, the customer must place an order with the Telephone Company in whose territory the first point of switching is located, (i.e., FGA - dial tone office, FGB - access tandem or end office). The Telephone Company will designate the first point(s) of switching for FGB Services where the Telephone Company elects to provide equal access through a centralized equal access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

(B) For Feature Group C and D Switched Access Services, the customer must place an order with the Telephone Company in whose territory the end office is located. Customers other than MTS/WATS providers may, at their option, order FGD to the access tandem. When ordered to the access tandem, and the access tandem and the end office are not in the same Telephone Company operating territory, the customer must also supply a copy of the order to each additional Telephone Company subtending the access tandem.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.3 Access Orders For Services Provided By More Than One Telephone Company (Cont'd)

5.3.2 Meet Point Billing Ordering (Cont'd)

- (C) Customers ordering Special Access Service to be interconnected with Switched Access Services at Telephone Company designated WATS Serving Offices for the provision of WATS or WATS-type Services must place an order with each Telephone Company in whose territory the end office and the WATS Serving Office are located, if they are not collocated.
- (D) Except for Special Access Service as set forth in (C) above or as set forth in (E) below, the customer may place the order for a Special Access Service with either Exchange Telephone Company.
- (E) For Special Access Service involving a hub(s) the customer must place the order with the Telephone Company in whose territory the hub(s) is located.
- (F) For Directory Assistance Service, the customer must place an order with the Telephone Company in whose territory the Directory Assistance Location is located.
- (G) For initiation, additions, changes or deletions to the Interim NXX translation code(s), the customer must place an order with the Telephone Company who provides the Interim NXX Translation. The customer must also provide a copy of the order to the Telephone Companies subtending the Interim NXX Translation office.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.4 Charges Associated with Access Ordering

5.4.1 Access Order Charge

The Access Order Charge is applied to all customer requests for new Special and Switched Access Service and Directory Assistance Service. In addition, the Access Order Charge is applicable to customer requests for additions, changes or rearrangements to existing Special and Switched Access Service and Directory Assistance Service with the following exceptions:

The Access Order Charge does not apply:

- When a Service Date Change Charge is applicable.
- When a Design Change Charge is applicable.
- To administrative changes as set forth in 7.2.2(C)(3) following.
- When a change to a pending order does not result in the cancellation of the pending order and the issuance of a new order.
- When Interim NXX Translation charge is applicable.
- When a Miscellaneous Service Order Charge is applicable.
- When a Presubscription Charge is applicable.
- When a Telephone Company initiated network reconfiguration requires a customer's existing access service to be reconfigured.
- When a service with an ICB rate is converted to a similar service with a non-ICB tariff rate prior to the expiration of the ICB.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.4 Charges Associated with Access Ordering (Cont'd)

5.4.1 Access Order Charge (Cont'd)

The Access Order Charge will be applied on a per order basis to each order received by the Telephone Company or copy of an order received by the Telephone Company pursuant to 5.3.1(B), 5.3.2, 5.3.2(B) and 5.3.2(G) preceding, except by the Telephone Company applying the Interim NXX Translation charge, and is in addition to other applicable charges as set forth in this and other sections of this tariff.

The Access Order Charge will be applied on a per order basis for any change, rearrangement or addition to the delivery of signaling to an existing STP Port.

5.4.2 Miscellaneous Service Order Charge

A Miscellaneous Service Order Charge, as set forth in 17.4.1(D) following, applies to any service, or combination of services ordered simultaneously from Section 13. of the Tariff for which a service order is not already pending. The Miscellaneous Service Order Charge is an administrative charge designed to compensate for the expenses associated with service order issuance.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.4 Charges Associated with Access Ordering (Cont'd)

5.4.2 Miscellaneous Service Order Charge (Cont'd)

The charge always applies to the following services since a pending service order would not exist:

- Overtime Repair (13.2.2),
- Standby Repair (13.2.3),
- Testing and Maintenance with Other Telephone Companies other than when in conjunction with Acceptance Testing (13.2.4),
- Other Labor (13.2.5),
- Maintenance of Service (13.3.2).

The Miscellaneous Service Order Charge will also apply to the following services if they are ordered subsequent to the initial installation of the associated access service, thereby necessitating the issuance of another service order:

- Telecommunications Service Priority (13.3.3),
- Controller Arrangement [13.3.4(A)].

The charge does not apply to the following services since there would exist a pending service order:

- Additional Engineering (13.1),
- Overtime Installation (13.2.1),
- Standby Acceptance Testing (13.2.3),
- Testing and Maintenance with Other Telephone Companies when in conjunction with Acceptance Testing (13.2.4),
- Additional Cooperative Acceptance Testing [13.3.1(A)(1) and 13.3.1(B)(1)].

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.4.3 Access Order Change Charges

Access Order changes involve service date changes and design changes. The customer may request a change of its Access Order prior to the service date. The Telephone Company will make every effort to accommodate a requested change when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the change cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Access Order change, the Telephone Company will schedule a new service date as set forth in 5.1.2 preceding. All charges for Access Order change as set forth in 17.4.1(B) and (C) will apply on a per occurrence basis.

Any increase in the number of Special Access Service channels or Switched Access Service lines, trunks or busy hour minutes of capacity or CCS/SS7 Port Terminations will be treated as a new Access Order (for the increased amount only).

If order changes are necessary to satisfy the transmission performance for a Special Access Service ordered by a customer, these changes will be made without order change charges being incurred by the customer.

(A) Service Date Change

The customer may request a change of service date on a pending Access Order prior to the service date. A change of service date is a change of the scheduled service date by the customer to either an earlier date or a later date which does not exceed 30 calendar days from the original service date.

If the Telephone Company determines that the customer's request can be accommodated without delaying the service dates for orders of other customers, the service date will be changed and the Service Date Change Charge, as set forth in 17.4.1(B) following, will be applied to the order.

If the service date is changed to an earlier date, and the Telephone Company determines additional labor or extraordinary costs are necessary to meet the earlier service date requested by the customer, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in 5.1.2 preceding apply. Such charges will apply in addition to the Service Date Change Charge.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.4 Charges Associated with Access Ordering (Cont'd)

5.4.3 Access Order Change Charges (Cont'd)

If the requested service date exceeds 30 calendar days following the original service date, and the Telephone Company determines that the customer's request can be accommodated, the Telephone Company will cancel the original order and apply the Cancellation Charges as set forth in 5.5.3 following. A new Access Order with a new service date will be issued. The Service Date Change Charge will not apply, however, the Access Order Charge will apply to the new order. If the service date is changed due to a design change as set forth in (B) following, the Service Date Change Charge will apply.

(B) Design Change

The customer may request a design change to the service ordered prior to the requested service date. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by Telephone Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design changes do not include a change of customer designated premises, first point of switching, Feature Group type or Special Access Service channel type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Telephone Company will review the requested change, notify the customer whether the change is a design change, if the change can be accommodated and if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge as set forth in 17.4.1(C) following will apply in addition to the charge for Additional Engineering as set forth in 17.4.2 following. If a change of service date is required, the Service Date Change Charge as set forth in 17.4.1(B) following will also apply. The Access Order Charge as specified in 17.4.1 following does not apply.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.5 Minimum Periods and Cancellations

5.5.1 Minimum Periods

The minimum period for part-time Video and Program Audio Special Access Services is one day even though the service will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.).

The minimum period for which Directory Assistance Service and the Directory Access Service is provided and for which charges apply is six months. A minimum period of six months applies for each additional period of service ordered or extended.

Switched Access Service has no minimum period. The minimum period for Special Access DS3 High Capacity Service is twelve months. The minimum period for which all other Access Service is provided and for which charges are applicable, is one month.

5.5.2 Development of Minimum Period Charges

When Access Service is disconnected after commencement of service but prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A disconnect constitutes facilities being returned to available inventory.

The Minimum Period Charge for monthly billed services will be determined as follows:

- (A) For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable recurring charges plus any nonrecurring and/or special construction charge(s) that may be due.
- (B) For Special Access Service, the charge for a month or fraction thereof is the applicable monthly rates for the appropriate channel type plus any optional features, nonrecurring and/or special construction charge(s) that may apply.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

5.5 Minimum Periods and Cancellations (Cont'd)

5.5.3 Cancellation of an Access Order (Cont'd)

- (B) When a customer cancels an Access Order for the installation of service, a Cancellation Charge will apply as follows:
- (1) Installation of Switched or Special Access Service facilities is considered to have started when the Telephone Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred.
 - (2) Where the customer cancels an Access Order prior to the start of installation of access facilities, no charges shall apply.
 - (3) Where installation of access facilities has been started prior to the cancellation, the charges specified in (a) or (b) following, whichever is lower, shall apply.
 - (a) A charge equal to the costs incurred in such installation, less estimated net salvage. Such costs include the nonrecoverable cost of equipment and material ordered, provided or used, plus the nonrecoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs.
 - (b) The minimum period charges for Switched or Special Access Service ordered by the customer, as set forth in 5.5.2 preceding.
- (C) When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.
- (D) If the Telephone Company misses a service date by more than 30 days and such delay is not requested or caused by the customer (excluding those circumstances where the date is missed due to acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Order without incurring cancellation charges.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 5-26

5.5 Minimum Periods and Cancellations (Cont'd)

5.5.4 Partial Cancellation Charge

Any decrease in the number of ordered Special Access Service channels or Switched Access Service lines, trunks or busy hour minutes of capacity or CCS/SS7 Port Terminations will be treated as a partial cancellation and charges will be determined as set forth in 5.5.3(B) preceding.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
6. <u>Switched Access Service</u>	6-1
6.1 <u>General</u>	6-1
6.2 <u>Provision and Description of Switched Access Feature Groups</u>	6-9
6.3 <u>Local Switching Optional Features</u>	6-10
6.4 <u>Transmission Specifications</u>	6-18
6.5 <u>Obligations of the Telephone Company</u>	6-18
6.6 <u>Obligations of the Customer</u>	6-19
6.7 <u>Rate Regulations</u>	6-21

6. SWITCHED ACCESS SERVICE

6.1 General

The Switched Access Services provided under this tariff are as follows: (a) originating, terminating or two-way Feature Groups A, B & D and (b) 800 Access Service. In addition to regulations which are contained within this Tariff, other regulations pertinent to these services are the same as those specified in Section 6 of NECA TARIFF F.C.C. No. 5, as appropriate, unless otherwise stated in this Tariff.

The following provision applies to the treatment of Toll VoIP-PSTN Traffic pursuant to the F.C.C.'s Part 51 Interconnection Rules and in compliance with the F.C.C.'s Report and Order and Further Notice of Proposed Rulemaking in CC Docket Nos. 96-45 and 01-92; GN Docket No. 09-51; WC Docket Nos. 03-109, 05-337, 07-135 and 10-90, and WT Docket No. 10-208, adopted October 27, 2011 and released November 18, 2011 (FCC 11-161). In the absence of an interconnection agreement between the Telephone Company and the customer specifying the treatment of Toll VoIP-PSTN Traffic, the Telephone Company will bill the customer the applicable Interstate switched access rates on all jurisdictionally intrastate voice traffic identified as Toll VoIP-PSTN Traffic.

(N)
|
(N)

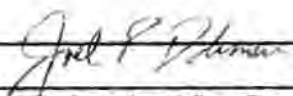
6.1.1 Rate Categories

There are three rate elements categories which apply to Switched Access Service:

- Local Transport
 - Local Switching
 - Carrier Common Line

The following diagram depicts a generic view of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service:

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: 
Joel Dohmeier, Vice-President

6. SWITCHED ACCESS SERVICE

6.1 General

6.1.1 Rate Categories

(A) Local Transport

The Local Transport rate category provides the transmission and tandem switching facilities between the customer's premises and the end office switch(es) where the customer's traffic is switched to originate or terminate the customer's communications. For purposes of determining Local Transport mileage, distance will be measured from the wire center that normally serves the customer's premises to the end office switch(es). Local Transport mileage measurement rules are set forth in 6.7.11 following and in this section.

Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the customer's premises) and in the terminating direction (from the customer's premises to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Local Transport is comprised of an Entrance Facility, Direct-Trunked Transport, Tandem-Switched Transport, and Multiplexing. Descriptions of the Local Transport components are provided in (1) through (4) following.

The Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office switch or through an access tandem switch, and (2) the directionality of the service.

Local Transport is provided at the rates and charges as set forth in 17.2.2 following. The application of these rates with respect to individual Local Access Service arrangements is set forth in 6.7.1 following.

(T)

(T)

6. SWITCHED ACCESS SERVICE (Continued)

6.1 General (Continued)

6.1.1 Rate Categories (Continued)

(A) Local Transport (Continued)

The number of Switched Transport transmission paths and terminations provided is based on the customer's order and is determined by the Telephone Company as set forth in 6.5 following.

(1) Entrance Facility

An Entrance Facility provides the communication path between a customer's premises and the Telephone Company's serving wire center for that premises. The Entrance Facility is dedicated to the use of a single customer and is available for use with all line side and trunk side Switched Access services. An Entrance Facility is provided even if the customer's premises and the serving wire center are located in the same building. The Entrance Facility rate element includes the transmission medium of the facility as well as certain circuit equipment that is used at the ends of the facility and employed to provision the channels on the transmission medium. The Entrance Facility rate element also includes an Interface Group, which defines the technical characteristics and types of signaling capability associated with the connection (i.e., voice grade, DS1 or DS3) that comprises the Entrance Facility. The following types of Entrance Facility are available:

(a) Voice Grade Entrance Facility

Voice Grade Entrance Facility is provided in quantities of channels. Each Voice Grade channel provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. When a single Voice Grade channel is ordered to be terminated at a customer's premises where the premises is all-digital and requires a minimum digital interface level of 1.544 Mbps, the Telephone Company will provide the required interface where facilities are available.

(b) DS1 Entrance Facility

DS1 Entrance Facility provides 24 channels for the transmission of nominal 56 kbps or 1.544 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer.

(T)

(T)

6. **SWITCHED ACCESS SERVICE** (Continued)

6.1 General (Continued)

6.1.1 Rate Categories (Continued)

(A) Local Transport (Continued)

(1) Entrance Facility (Continued)

(c) DS3 Entrance Facility

DS3 Entrance Facility provides 28 DS1s or 672 channels for the transmission of nominal 44.736 Mbps isochronous serial data. With DS3, an electrical interface will be installed at the customer's premises which provides an electrical signal with a transmission speed of 44.736 Mbps per channel. The minimum period for which a DS3 Entrance Facility is provided is twelve months.

(2) Direct-Trunked Transport

Direct-Trunked Transport provides the communication path between the serving wire center of a customer's premises and an end office. Direct-Trunked Transport is dedicated to the use of a single customer and does not require switching at an access tandem. Direct-Trunked Transport is available for use with all line side and trunk side Switched Access services.

Direct-Trunked Transport is not available to end offices that lack recording and measuring capabilities needed to provide Direct-Trunked Transport.

Direct-Trunked Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office when such facilities are not switched through an access tandem. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to provision the channels on the transitional medium and circuit equipment used within the network to manage the circuits at intermediate locations.

Direct-Trunked Transport also provides for the transmission facilities between the Telephone Company's serving wire center and a hub that interconnects facilities for both Tandem-Switched Transmission and Direct-Trunked Transport.

6. SWITCHED ACCESS SERVICE (Continued)

6.1 General (Continued)

6.1.1 Rate Categories (Continued)

(A) Local Transport (Continued)

(2) Direct-Trunked Transport (Continued)

Direct-Trunked Transport rates consist of a Direct-Trunked Facility rate specified in 17.2.2 following which is applied on a per mile basis and a Direct-Trunked Termination rate which is applied at each end of each measured segment of the Direct-Trunked Facility (e.g., at the end office, hub, tandem, and the serving wire center). The minimum period for which a High Capacity DS3 Direct Transport is provided is twelve months.

(3) Tandem-Switched Transport

Tandem-Switched Transport provides the communication path between the serving wire center of a customer's premises and an end office, and includes tandem switching functions. Tandem-Switched Transport also includes circuits dedicated to the use of a single customer (from the serving wire center to the access tandem) and circuits provided for the common use of all customers who have requested tandem switching (from the access tandem to the end office). Tandem-Switched Transport is available for use with all trunk side Switched Access services. Tandem-Switched Transport is not available for use with line side Switched Access services.

Tandem-Switched Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office that is switched through a tandem. Tandem-Switched Transport is composed of three sub elements:

- (a) Tandem-Switched Transmission, which provides for the transmission facilities from the Telephone company's serving wire center to an access tandem switch and from the Telephone Company's access tandem switch to an end office. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to derive the channels on the transmission medium, and circuit equipment used within the network to manage the circuits at intermediate locations.

The Tandem-Switched Facility rate specified in 17.2.2 following is applied on a per access minute per mile basis for all originating and terminating minutes of use routed over the facility. The Tandem-Switched Termination rate specified in 17.2.2 following is applied on a per access minute basis (for all originating and terminating minutes of use routed over the facility) at each end of each measured segment of Tandem-Switched Facility.

(T)

(T)

6. **SWITCHED ACCESS SERVICE** (Continued)

6.1 **General** (Continued)

6.1.1 **Rate Categories** (Continued)

(A) **Local Transport** (Continued)

(3) **Tandem-Switched Transport** (Continued)

- (b) Tandem Switching, which provides for use of the Telephone Company's access tandem.

Local Transport is provided at the rates and charges as set forth in 17.2.2 following. The application of these rates with respect to individual Switched Access Service Arrangements is set forth in 6.7.1(D) following.

The number of Switched Transport transmission paths and terminations provided is based on the customer's order and is determined by the Telephone Company as set forth in 6.5 following.

- (c) For originating toll free minutes only, a Joint Tandem Switched Transport rate applies in lieu of the Tandem Switching, Tandem Switched Facility, and Tandem Switched Termination rates and is only billed by the tandem company that performs the tandem switching function.

(N)
|
(N)

(4) **Multiplexing**

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at Telephone Company designated Hubs arranged for multiplexing or at the access tandem trunk on the serving wire center side of the access tandem. All types of multiplexing may not be available at each Hub location.

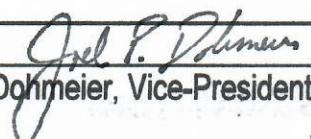
Listed below are the multiplexing arrangements offered with switched access.

- **DS1 to Voice**

An arrangement that multiplexes twenty-four voice grade circuits to single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits.

ISSUED: June 1, 2021
EFFECTIVE: July 1, 2021

ISSUED BY:


Joel Dohmeier, Vice-President

Authorized by NH PUC Docket No.

6. **SWITCHED ACCESS SERVICE** (Continued)

6.1 **General** (Continued)

6.1.1 **Rate Categories** (Continued)

(A) **Local Transport** (Continued)

(4) **Multiplexing** (continued)

- **DS3 to DS1**

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

(5) **Interface Groups**

Ten Interface Groups are provided for terminating the Local Transport at the customer's designated premises. Technical specifications concerning the available interface groups are set forth in NECA Tariff F.C.C. No. 5, Section 6.1.3.

(6) **Nonchargeable Optional Features**

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following optional features in association with Local Transport.

(a) **Supervisory Signaling**

Where transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability, the customer may order an optional supervisory signaling arrangement for each transmission path provided as set forth in NECA Tariff F.C.C. No. 5, Section 15.1.1 (E).

(b) **Customer Specified Entry Switch Receive Level**

This option allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference PUB 62500. The feature is available with interface Groups 2 through 10 for Feature Groups A and B.

(c) **Customer Specified of Local Transport Termination**

This option allows the customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Local Transport at the entry switch in lieu of a Telephone Company selected two-wire.

(N)

(N)

6.1.1 **RATE CATEGORIES** (Continued)

(B) Local Switching

The Local Switching rate category provides for the use of common lines and the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to the end users served by the local end office. The rates for Local Switching can be found in Section 17.2.3. For originating toll free minutes only, a different Local Switching rate is specified in Section 17.2.3 following. The Local Switching functions are Local Access, Line Termination and Intercept. They are described as follows:

(C)
(C)

(1) Local Access

The Local access function provides for the use of end office switching equipment.

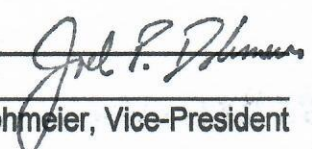
There are two types of Local Access functions, i.e., Common Switching and Transport Termination. These are described as follows:

(a) Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements. The Common Switching arrangements provided for originating, terminating or two-way Feature Groups A, B, and D are as set forth in Section 6.2.

Included as part of Common Switching are optional features which the Customer can order to meet the Customer's specific communications requirements. Optional features appropriate to Switched Access Services offered under this Tariff are as set forth in Section 6.3.

ISSUED: June 1, 2021
EFFECTIVE: July 1, 2021

ISSUED BY: 
Joel Dohmeier, Vice-President

6.1.1 Rate Categories (Cont'd)

(B) Local Switching

(1) Local Access

(b) Transport Termination

Transport Termination provides for the line or trunk side arrangements which terminate the Local Transport facilities. Included as part of Transport Termination are various nonchargeable optional termination arrangements. These optional terminating arrangements are as set forth in Section 6.3.

(c) Optional Features

Appropriate Common Switching Optional Features and Transport Termination Optional Features relative to the Switched Access Service offered under this tariff are as set forth in Section 6.3.

(2) Line Termination

The Line Termination function provides the terminations for the end user lines terminating in the local end office.

(3) Intercept

The Intercept function provides for the termination of a call at a Telephone Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.1.2 Special Facilities Routing

Any customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11.

6.1.3 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the makeup of the facilities and services provided from the customer's premises to the first point of switching. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

6.1.4 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request cooperatively test, at the time of installation, the following parameters: loss, C-message noise, 3-tone slope, d.c. continuity and operational signaling. When the Local Transport is provided with Interface Groups 2, 6, 7 and 9 and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Local Transport), balance parameters (equal level echo path loss) may also be tested.

6.1.5 Ordering Options and Conditions

When ordered under this Tariff, Switched Access Service(s) is provided to the Customer under the same Order Options and Conditions that are set forth in NECA TARIFF F.C.C. No. 5, Section 5.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 6-9

6.2 Provision and Description of Switched Access Feature Groups

Regulations pertaining to the provision of Switched Access Feature Groups provided under this Tariff are the same as those set forth in NECA TARIFF F.C.C. No. 5, Section 6.2. In addition a WATS Access Line Service, when ordered from NECA TARIFF F.C.C. No. 5, Section 7 may at the option of the customer be provided for use with Feature Groups B and D.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.3 Local Switching Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups. They are provided as either Common Switching, Transport Termination or WATS Access Line Service Termination Options.

6.3.1 Common Switching

(A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the LATA, and for the completion only of calls to 411, 911, 800 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. This feature is provided in all suitably equipped Telephone Company end offices. It is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the LATA, and for disallowing completion of calls to 0- and N11. This feature is provided, where available, in all Telephone Company end offices. It is available with Feature Group A.

(C) Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A. Additionally, FGA Services provided by multiple customers to the same end user may not be combined in a single hunt group unless the Local Transport Facility mileage is the same for each customer, i.e., the distance between each customer's serving wire center and the first point of switching (dial tone office) to which the FGA Services are ordered is the same.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.3.1 Common Switching (Cont'd)

(D) Uniform Call Distribution Arrangement

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides an arrangement for an individual line within a multi line hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.3.1 Common Switching (Cont'd)

(F) Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer's premises for calls originating in the LATA, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer's premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and a customer's premises.

The seven digit ANI telephone number is available with Feature Group B. With this Feature Group, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, coin stations and coinless pay telephones using Feature Group B, or when any failure has occurred.

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit, described in the following paragraph).

(G) Up to 7 Digit Outpulsing of Access Digits to Customer

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950-0XXX or 950-1XXX) to the customer premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multi-frequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. This option is available as a nonchargeable option with Feature Group B.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.3.1 Common Switching (Cont'd)

(H) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0- or 0+) or service access code (e.g., 800). It is provided in suitably equipped end office or access tandem switches and is available as a nonchargeable option with FGD.

(I) Alternate Traffic Routing

(1) Multiple Customer Premises Alternate Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available as a nonchargeable option with Feature Groups B and D.

(2) End Office Alternate Routing When Ordered In Trunks

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an access tandem and one direct route. The feature allows the customer's originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available as a nonchargeable option with Feature Groups B and D.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.3.1 Common Switching (Cont'd)

(J) Band Advance Arrangement for Use with WATS Access Line Service

This option, which is provided in association with two or more WATS Access Line Service groups, provides for the automatic overflow of terminating calls to a WATS Access Line Service group, when that group has exceeded its call capacity, to another WATS Access Line Service group with a band designation equal to or greater than that of the overflowing WATS Access Line Service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available as a nonchargeable option with Feature Group D.

(K) End Office End User Line Service Screening for Use with WATS

Access Line Service

This option provides the ability to verify that a customer has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, i.e., WATS. This option is provided in all Telephone Company end offices in which WATS Access Line Service is provided. It is available as a nonchargeable option with Feature Group D.

(L) Hunt Group Arrangement for Use with WATS Access Line Service

This option provides the ability to sequentially access one of two or more WATS Access Line Services (i.e., 800 Service access lines) in the terminating direction, when the hunting number of the WATS Access Line Service group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company end offices in which WATS Access Line Service is provided. It is available as a nonchargeable option with Feature Groups B and D.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.3.1 Common Switching (Cont'd)

(M) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call
Distribution Arrangement for Use with WATS Access Line Service

This option provides an arrangement for an Individual WATS Access Line Service within a multiline hunt or uniform call distribution group that provides access to those WATS Access Line Services within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Line Service is provided. It is available as a nonchargeable option with Feature Groups B and D.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.3.1 Common Switching (Cont'd)

(O) Routing of IntraLATA Calls to the Telephone Company for Use with WATS
Access Line service

This option, which is available with either, originating only WATS Access Line (WAL) Service not equipped with the End Office End User Line Service Screening optional feature, or with two-way WAL Service, provides that intraLATA calls originating over such services by the end user's dialing valid NXX codes in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider, local operator assistance (0 and 0+), service codes (611 and 911), and directory assistance (411, 555-1212, and NPA + 555-1212) will be routed to the facilities of the Telephone Company for completion. Calls placed by the end user's dialing the 950-0XXX or 950-1XXX will be directed to the Feature Group B Switched Access Service customer. Additionally, this option provides that interLATA calls originating from such services by the end user's dialing 0- will be directed to the Feature Group D Switched Access Service of the customer providing the interLATA operator services. This option is available as a nonchargeable option with Feature Group D.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.3.2. Transport Termination

(A) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available as a nonchargeable option with Feature Group B, only on a directly trunked basis.

(B) Operator Trunk - Full Feature

This option provides the operator functions available in the end office to the customer's operator for InterLATA use. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Transport Termination.

(C) Operator Trunk - Assist Feature

This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released and (2) Operator Attached. It is available with Feature Group D and is provided as a trunk type of Transport Termination.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.3.3 WATS Access Line Service Termination

(A) E&M Supervisor Signaling

The E&M Supervisory Signaling optional feature, which is available with four-wire originating, terminating and two-way only WATS Access Line Service, for use with FGB and FGD Switched Access Service provides for E&M Type 1, Type 2 or Type 3 Supervisory Signaling. When E&M Supervisory Signaling is provided, Answer Supervision is also provided for originating traffic.

(B) Answer Supervision

The WATS Answer Supervision optional feature, which is available with originating only two-wire WATS Access Line Service for use with FGB and FGD Switched Access Service provides equipment at the end user premises that indicates that the called end user has answered, when such indication is provided by the interexchange carrier. When Answer Supervision is provided with a two-wire WATS Access Line Service, reverse battery type supervisory signaling is also provided.

6.4 Transmission Specifications

The available transmission specifications for Switched Access Service Arrangements offered under this Tariff are the same as those stated in NECA TARIFF F.C.C. No. 5, Section 6.2.

6.5 Obligations of the Telephone Company

In addition to the obligations of the Telephone Company as set forth in Section 2, the Telephone Company has certain other obligations pertaining only to the provision of the Switched Access Service Arrangements offered under this Tariff. Those obligations are the same as those set forth in NECA TARIFF F.C.C. No. 5, Section 6.2.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.6 Obligations of the Customer

In addition to the obligations of the Customer as set forth in Section 2, the Customer has certain specific obligations pertaining to the use of the Switched Access Service Arrangements offered under this Tariff. Those obligations are as follows:

6.6.1 Report Requirements

(A) Jurisdictional Reports

Obligations of the Customer pertaining to Jurisdictional Reports are as set forth in Section 2.

(B) Code Screening Reports

When a customer orders service class routing, it will report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

6.6.2 Supervisory Signaling

The customer's facilities will provide the necessary on-hook, off-hook, answer and disconnect supervision.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6. SWITCHED ACCESS SERVICE

6.6.3 Trunk Group Measurement Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.4 Design of Switched Access Services

When a customer orders Switched Access Service on a per trunk basis, the customer will take reasonable steps to assure that sufficient access services have been ordered to handle its traffic.

6.6.5 Call Signaling

Depending on the signaling system used by the customer in its network, the customer's facilities shall transmit the following call signaling information to the Telephone Company on traffic the customer's end users originate which is handed off for termination on the Telephone Company's network.

(A) Signaling System 7 (SS7) Signaling

When the customer uses SS7 signaling, it will transmit the Calling Party Number (CPN) or, if different from the CPN, the Charge Number (CN) information in the SS7 signaling stream.

(B) Multi-Frequency (MF) Signaling

When the customer uses MF signaling, it will transmit the number of the calling party or, if different from the number of the calling party, the Charge Number (CN) information in the MF Automatic Number Identification (ANI) field.

(C) Internet Protocol (IP) Signaling

When the customer uses IP signaling, it will transmit the telephone number of the calling party or, if different from the telephone number, the billing number of the calling party.

(N)

(N)

ISSUED: March 26, 2012
EFFECTIVE: April 25, 2012

ISSUED BY: 
Joel Dohmeier, Vice-President

6.7 Rate Regulations

6.7.1 Description and Application of Rates and Charges

There are three types of rates and charges that apply to Switched Access Service. These are monthly rates, usage rates and nonrecurring charges. Monthly rates and nonrecurring charges are applied as set forth below in (A) and (C).

(A) Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a chargeable optional feature is provided. For billing purposes, each month is considered to have 30 days.

(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis or a per call basis. Usage rates are accumulated over a monthly period. Usage rates applied on a per access minute basis are applied differently to the various rate elements as set forth in (D) below.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are installation of service, installation of optional features or basic service elements, and service rearrangements.

(1) Installation of Service

Local Transport and Local Switching Nonrecurring Charges apply to each Switched Access Service installed. For Switched Access Service ordered on a per line or trunk basis the charge is applied per line or trunk.

For Switched Access Service ordered on a busy hour minutes of capacity basis, the charges are also applied on a per trunk basis but the charges apply only when the capacity ordered requires the installation of an additional trunk(s).

(2) Installation of Optional Features

If a separate nonrecurring charge applies for the installation of an optional feature, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

For optional features without separate nonrecurring charges, the Local Switching nonrecurring charge will apply when the optional features are ordered subsequent to the installation.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements

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's premises or a customer's end user's premises. The minimum period requirement for services offered in this tariff is specified in Section 2.4.2. Service rearrangements which are considered to result in a change in the minimum service period are as set forth in NECA TARIFF F.C.C. No. 5, Section 5. Changes which result in the establishment of new minimum period obligations are treated as discontinuances of existing service and installations of new service. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in Section 6.7.5.

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

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

Administrative changes as follows, will be made without charge(s) to the customer:

- Change of customer name;
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment;
- Change in billing data (name, address, or contact name or telephone number);
- Change of agency authorization;
- Change of customer circuit identification;
- Change of billing account number;
- Change of customer test line number;
- Change of customer or customer's end user contact name or telephone number; and
- Change of jurisdiction.
- If, due to network considerations of the Telephone Company, it was impossible to combine 800 Access Service traffic with a customer's other trunk side Switched Access Services, no charge shall be applied to combine the trunk groups when it becomes possible.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

All other service rearrangements will be charged for as follows:

- If the change involves the addition of an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves rearrangement of a customer's FGD Access Service from direct routed to tandem routed, no charge shall apply for the customer requested arrangement as long as the following conditions are met:
 - Tandem routed access was not available to the end office at the time the end office was converted to an equal access office;
 - The customer was providing service in the relevant area prior to the availability of tandem routed access;
 - The customer requested the rearrangement of its trunks from direct routed access to tandem routed access within six months of the first availability of tandem routed access in that area; and
 - The customer orders, as tandem routed, the equivalent capacity to replace the direct routed trunks.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- Subsequent to the initial installation of 500 and 900 Access Service, any addition or deletion of a 500/900 Access Service NXX will be charged for as follows. A nonrecurring charge applies for the first NXX code added or deleted and a separate nonrecurring charge applies for each additional NXX code added or deleted at the same time in the same LATA on the same order. The charges are as set forth in Section 17.
- If the change involves the arrangement of existing Switched Access Service from a Digital Interface Group to another capable of a higher bit rate a Digital to Digital arrangement charge will apply per Interface Group with the lower bit rate capability. The charge is the same as that set forth in Section 17. No charge applies to the individual Switched Access Services provided within the Interface Group unless the customer changes the service type or changes only a portion of the individual services from one Interface Group to another, in which case the appropriate nonrecurring charge for each change will apply.
- For all other changes including the addition of or modifications to optional features without separate nonrecurring charges, the Local Switching Nonrecurring Charge will apply. When an optional feature is not required on each transmission path, but rather on an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path).

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- If the change involves a modification to a FGB or D to include the initial provision of 800 Access Service in addition to non-800 Access Service traffic, the Local Switching Installation nonrecurring charge will apply for service arrangements on the existing trunks.

(D) Application of Rates

- (1) Local Switching and Local Transport rates are applied to all minutes of use measured as specified in Section 17.
- (2) As specified in the Commission's Order No. 20,077, Switched Access originating and/or terminating charges apply to all intrastate messages which make use of Switched Access subject to this tariff.

6.7.2 Minimum Periods

Switched Access Service and monthly rated optional features are provided for a minimum period of one month.

6.7.3 Reserved For Future Use

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.7.4 Change of Switched Access Service Arrangement Type

When the customer upgrades a FGA or FGB to a FGD service, the nonrecurring charges will not apply if the following conditions are met:

- (a) The same customer premises is maintained and
- (b) The orders for the disconnect of the FGA or FGB service and the start of the FGD service are placed with the Telephone Company at the same time, and
- (c) The customer requests the same effective date for both the disconnect of service and start of service orders.

6.7.5 Moves

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

- The point of termination at the customer's or the customer's end user's premises
- The customer's premises.

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

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be the Local Switching nonrecurring charge for the capacity affected. There will be no change in the minimum period requirements.

(B) Moves to a Different Building

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

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 6-29

- 6.7.6 Measuring Access Minutes
Regulations for measuring access minutes for originating, terminating or two-way Feature Groups A, B and D are the same as those set forth in NECA TARIFF F.C.C. No. 5 Sections 6.7.4.
- 6.7.7 Network Blocking Charge for Feature Group D
Regulations are the same as those set forth in NECA TARIFF F.C.C. No. 5, Sections 6.7.5 and 6.8.6.
- 6.7.8 Reserved For Future Use

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

6.7.9 **RESERVED FOR FUTURE USE**

6.7.10 **RESERVED FOR FUTURE USE**

6.7.11 **MILEAGE MEASUREMENT**

The mileage to be used to determine the rate for Direct-Trunked Transport and Tandem-Switched Transport is calculated based on the airline distance between the end office switch, which may be a Remote Switching Location, where the call carried by Local Transport service originates or terminates and the customer's serving wire center, except as set forth following. Where applicable, The V&H coordinates method is used to determine mileage. This method is set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 for Wire Center Information (V&H coordinates).

If the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rates.

Exceptions to the mileage measurement rules are as follows:

(A) **Feature Group A - Originating Usage**

Direct-Trunked Transport Mileage for premium and non-premium rated access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis using the V&H coordinates method. The mileage measurement will be between the first point of switching (end office switch where the Feature Group A switched dial tone is provided) and the customer's serving wire center for the Switched Access Service provided.

(B) **Feature Group A - Terminating Usage**

The Local Transport mileage for terminating Feature Group A Switched Access Service will be measured in two segments. Direct-Trunked Transport Mileage will be measured between the customer's serving wire center and the first point of switching (i.e., the end office switch where the Feature Group A switching dial tone is provided). Tandem-Switched Transport mileage will be measured between the first point of switching and the terminating end office.

(T)

(T)

6.7.11 MILEAGE MEASUREMENT (Continued)

(N)

Exceptions to the mileage measurement rules are as follows: (Continued)

(C) Feature Group B, C, and D - Alternate Traffic Routing

When the Alternate Traffic Routing optional feature is provided with Feature Groups B, C and D, the Local Transport access minutes will be apportioned between the two transmission routes used to provide this feature. Such apportionment will be made using: (1) actual minutes of use if available, (2) standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 6.3.1(l) preceding, and the total busy hour of capacity ordered to the end office, when the feature is provided at an end office switch, or to the subtending end offices when the feature is provided at an access tandem switch, or (3) an apportionment mutually agreed to by the Telephone Company and the customer. This apportionment will serve as the basis for Local transport mileage calculation.

(D) Feature Group C - Multiple CDPs

When terminating Feature Group C Switched Access Service is provided from multiple customer premises to an end office not equipped with measurement capabilities, the total Local Transport access minutes for that end office will be apportioned among the trunk groups accessing the end office on the basis of the capacity ordered for each FGC trunk group. This apportionment will serve as the basis for Local Transport mileage calculation and the customer will be billed accordingly.

(E) Feature Groups A, B, C and D - WATS

Where Feature Groups A, B, C, and D Switched Access Services are connected with Special Access Service at a WATS Serving office, the Telephone Company will measure mileage on an airline mileage basis between:

- (1) The WATS Serving Office and the Serving Wire Center for the customer designated premises, or
- (2) The Feature Group A or B entry switch and the Serving Wire Center for the customer designated premises.

(N)

6.7.11 **MILEAGE MEASUREMENT** (Continued)

Exceptions to the mileage measurement rules are as follows: (Continued)

(F) **Feature Groups B, C, and D - Remote Offices**

The Local Transport mileage for Feature Group B, C, and D Switched Access Service provided to a Remote Office will be measured in multiple segments.

When the facility is directly trunked to the Host Office, Direct-Trunked Facility mileage will be measured between the customer's serving wire center and the Host Office, and Tandem-Switched Facility mileage will be measured between the Host Office and the Remote Office. The Tandem Switching charge will not apply.

When the facility is directly trunked to a tandem, Direct-Trunked Facility will be measured from the Serving Wire Center to the tandem, Tandem-Switched Facility mileage will be measured from the tandem to the host, and another segment of Tandem-Switched facility will be measured from the host to the remote. The Tandem Switching charge* will be applicable at the tandem. (C)

When service to the remote is ordered as only Tandem-Switched Facility, mileage will be separately measured between the serving wire center and the host and between the host and the end office. The Tandem Switching charge* will be applicable at the Tandem. (C)

* As of July 1, 2021, the Joint Tandem Switched Transport rate element is applied per tandem to originating toll free minutes only, as set forth in 6.6.2 following, in lieu of the Tandem Switched Facility, Tandem Switched Termination and Tandem Switching rate elements.

(N)
|
(N)

ISSUED: June 1, 2021
EFFECTIVE: July 1, 2021

ISSUED BY: 
Joel Dohmeier, Vice-President

Authorized by NH PUC Docket No.

CONTENTS

	<u>Sheet</u>
7. <u>Special Access Service</u>	7-1
7.1 <u>General</u>	7-1
7.2 <u>Rate Regulations</u>	7-13
7.3 <u>Surcharge for Special Access Service</u>	7-29
7.4 <u>Metallic Service</u>	7-34
7.5 <u>Telegraph Grade Service</u>	7-35
7.6 <u>Voice Grade Service</u>	7-36

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

7. Special Access Service

7.1 General

Special Access Service provides a transmission path to connect customer designated premises*, directly, through a Telephone Company hub or hubs where bridging or multiplexing functions are performed, or to connect a customer designated premises and a WATS Serving Office. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are seven types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

Customers can order a basic channel and select from a list of those available transmission parameters and channel interfaces that they desire in order to meet specific communications requirements. For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this tariff, there is no restriction against doing so.

- * Telephone Company Centrex CO and CO-like switches and packet switches included in Public Packet Switching Network (PPSN) Service are considered to be a customer designated premises for purposes of this tariff.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 7-2

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Following is a brief description of each type of channel:

Metallic - a channel for the transmission of low speed varying signals at rates up to 30 baud.

Telegraph Grade - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300 to 3000 Hz.

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 38.4 or 76.8 Kbps.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 12.624 or 25.248 Mbps.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Detailed descriptions of each of the channel types are provided in 7.4 through 7.10 following.

The customer also has the option of ordering Voice Grade and High Capacity facilities (i.e., 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to Telephone Company hubs for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the hubs, as well as the number of individual channels which may be derived from each type of facility, are set forth in 7.6 and 7.10 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are set forth in 7.2.1 following.

For example, a customer may order a 3.152 Mbps High Capacity channel from a customer designated premises to a Telephone Company hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different hub to Voice Grade channels or may be extended to other customer designated premises or hubs. Optional features may be added to either the 1.544 Mbps or the Voice Grade channels.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.1 General (Cont'd)

7.1.2 Service Descriptions

For the purposes of ordering, there are seven categories of Special Access Service. These are:

Service Designator Codes

Metallic	MT
Telegraph Grade	TG
Voice	VG
Digital Data	DA
High Capacity	HC

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Technical specifications packages are described in Section 15. following, optional features and functions are described in this section. Channel interfaces are described in 15.2 following.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be advised and given the opportunity to change the order.

The channel descriptions provided in 7.4 through 7.10 following, specify the characteristics of the basic channel and indicate whether the channel is provided between customer designated premises, between a customer designated premises and a Telephone Company hub where bridging or multiplexing functions are performed, between hubs, or between a customer designated premises and a WATS Serving Office.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.1 General (Cont'd)

7.1.2 Service Descriptions (Cont'd)

- (A) Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in matrices set forth in 15.2 following.
- (B) Channel interfaces at each Point of Termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 15.2 following, in a combination format.
- (C) Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in (F) following. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.
- (D) The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in matrices set forth in 15.2 following with the optional feature or function listed down the left side and the technical specifications package listed across the top.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.1 General (Cont'd)

7.1.2 Service Descriptions (Cont'd)

- (E) The Telephone Company will maintain services installed prior to April 1, 1985, at their existing transmission specifications, provided such performance specifications do not exceed the standards listed in this provision. Those services exceeding the standards listed will be maintained at the performance levels specified in this tariff.
- (F) All services installed after April 1, 1985 will conform to the transmission specifications standards contained in this tariff or in the following Technical References for each category of service:

Metallic	TR-NPL-000336
Telegraph Grade	TR-NPL-000336
Voice Grade	TR-TSY-000335
	PUB 41004, Table 4
Digital Data	TR-NWT-000341
For 2.4,4.8,9.6&56.0 Kbps	BellCore Pub 62310
For 19.2 Kbps	INC Bulletin CB-INC-100
For 64.0 Kbps	AT&T PUB 62310
High Capacity	TR-INS-000342
	TR-NPL-000054
	PUB 62411

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.1.3 Service Configurations

There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

(A) Two-Point Service

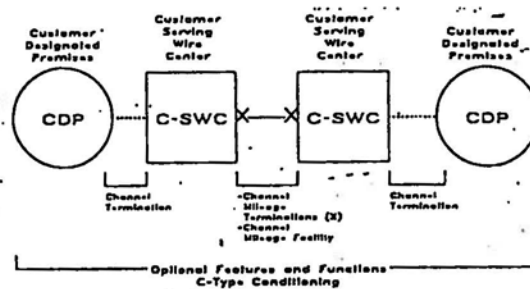
A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed, or a customer designated premises and a WATS Serving Office (WSO).

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

A Special Access Surcharge, as set forth in 7.3 following may be applicable.

The following diagram depicts a two-point Voice Grade service connecting two Customer Designated Premises (CDP). The service is provided with C-Type conditioning.



Applicable rate elements are:

- Channel Terminations (applicable one (1) per CDP)
- Channel Mileage
 - 2 Channel Mileage Terminations plus
 - 1 section, Channel Mileage Facility per mile
- Ctype Conditioning Optional Feature

Issued: September 10, 1991
Effective: October 11, 1995

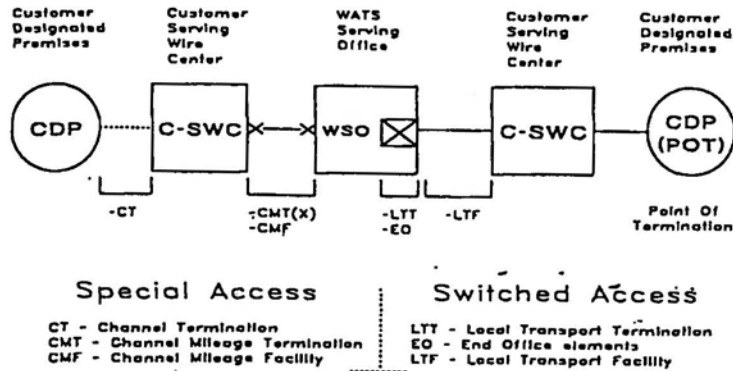
John Van Vught
Treasurer

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(A) Two-Point Service (Cont'd)

The following diagram depicts a two-point VoiceGrade service connecting a customer designated premises to a WATS serving office.



Applicable rate elements for Special Access are:

- Channel Termination
- Channel Mileage
 - . 2 Channel Mileage Terminations plus
 - . 1 section, Channel Mileage Facility per mile
- Special Access Surcharge*

* May not apply if exemption certification is provided.

Issued: September 10, 1991
 Effective: October 11, 1995

John Van Vught
 Treasurer

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through one or more Telephone Company hubs. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel.

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

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.2 preceding and 15.2 following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will specify the desired bridging hub(s). NATIONAL EXCHANGE (C) CARRIER ASSOCIATION TARIFF F.C.C. NO. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between the serving wire center for each customer designated premises and the hub and between hubs).
- Bridging
- Additional Optional Features and Functions (when applicable).

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

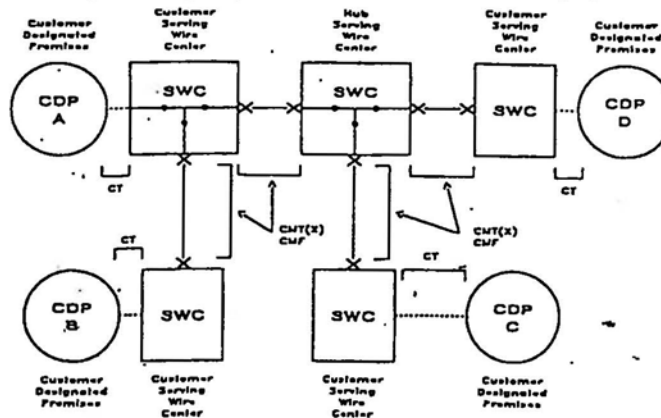
7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

The Special Access Surcharge, as set forth in 7.3 following, may be applicable.

Example: Voice Grade multipoint service connecting four customer designated premises (CDP) via two customer specified bridging hubs.



- CT - Channel Termination
- CMT - Channel Mileage Termination
- CMF - Channel Mileage Facility
- o - Bridging Port

Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage
 - o 2 Channel Mileage Terminations per Channel Mileage Facility section for a total of 8, plus
 - o 4 sections, Channel Mileage Facility per mile
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

Issued: September 10, 1991
 Effective: October 11, 1995

John Van Vught
 Treasurer

7.1 General (Cont'd)

7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12. following, Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered [i.e., Channel Terminations, Channel Mileage (as applicable) and Optional Features and Functions (if any)].

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11. following.

7.1.6 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.1 General (Cont'd)

7.1.7 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test the following at the time of installation:

- (A) For Voice Grade analog services, the acceptance test will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order of service. Additionally, for Voice Grade services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
- (B) For other analog services (i.e., Metallic, Telegraph, Program Audio, and Video) and for digital services (i.e., Digital Data and High Capacity), acceptance tests will include tests applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade service to test other parameters, as described in 13.3.1(B) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provisions set forth in Section 5. preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access.

7.2.1 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Channel Terminations (described in 7.2.1(A) following)
- Channel Mileage (described in 7.2.1(B) following)
- Optional Features and Functions (described in 7.2.1(C) following).

(A) Channel Terminations:

The Channel Termination rate category recovers the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability is provided as an optional feature as set forth in (C) following. One Channel Termination charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

For DS3 High Capacity Service, the Channel Termination rates are made up of the DS3 Capacity Interface rate and the DS3 Channel Installed rate. The Capacity Interface rate is dependent upon the capacity ordered (i.e., Capacity Interface of 1, 3, 6 or 12) and is applicable at each customer designated premises. The capacity ordered is the maximum number of DS3 services that can be terminated on a given service at the customer designated premises (e.g., a capacity of 3 can terminate 1, 2, or 3 DS3 services). One DS3 Channel Installed rate applies per customer designated premises at which the channel is terminated for each DS3 channel that is ordered. These charges will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Channel Mileage

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub or between two Telephone Company hubs. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

(1) Channel Mileage Facility

The Channel Mileage Facility rate recovers the per mile cost for the transmission path which extends between the Telephone Company serving wire centers and/or hub(s).

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at serving wire centers and hubs). The Channel Mileage Termination rate will apply at the serving wire center(s) for each customer designated premises and Telephone Company hub where the channel is terminated. If the Channel Mileage is between Telephone Company bridging hubs, the Channel Mileage Termination rate will apply per Telephone Company designated hub. If the Channel Mileage is between the serving wire center for a customer designated premises and a WATS Serving Office, the Channel Mileage Termination rate will apply at both the serving wire center associated with the customer designated premises and the WATS Serving Office. When the Channel Mileage Facility is zero (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.1 Rate Categories (Cont'd)

(C) Optional Features and Functions

The Optional Features and Functions rate category recovers the costs associated with optional features and functions which may be added to a Special Access 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 performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

Descriptions for each of the available Optional Features and Functions are set forth in 7.4 through 7.10 following.

A hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed are to connect three or more customer designated premises in a multipoint arrangement. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 identifies serving wire centers, hub locations, hub level (i.e., Hub, Terminus Hub, Intermediate Hub, or Super-Intermediate Hub) and the type of bridging or multiplexing functions available. Additionally, subtending wire centers are identified for Intermediate and Super-Intermediate Hubs.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 7-17

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

(B) RESERVED FOR FUTURE USE

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements. These charges are in addition to the Access Order Charge as specified in 17.4.1 following.

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set for each channel type as a nonrecurring charge for the Channel Termination.

(2) Installation of Optional Features and Functions

When optional features and functions are installed coincident with the initial installation of service, no separate nonrecurring charge is applicable. When optional features and functions are installed or changed subsequent to the installation of service, an Access Order Charge as specified in 17.4.1 following will apply per order.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service. Changes to pending orders are set forth in 5.4 preceding.

Changes in the physical location of the point of termination or customer designated premises are moves as set forth in 7.2.3 following.

Changes in the type of Service or Channel Termination which result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

Changes in ownership or transfer of responsibility from one customer to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility is as set forth in 2.1.2(A) preceding where there is no change in facilities or arrangements, the change will be treated as an administrative change.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged as follows:

- If the change involves the addition of other customer designated premises to an existing service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added. The charge(s) will be in addition to an Access Order Charge as set forth in 17.4.1 following.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- If the change involves the addition of an optional feature or function, or if the change involves changing the type of signaling on a Voice Grade service, and for all other changes the Access Order Charge as set forth in 17.4.1 following will apply.

7.2.3 Moves

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

- The Point of Termination at the customer's premises
- The customer's premises

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

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements. This charge is in addition to the Access Order Charge as specified in 17.4.1 following.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.3 Moves (Cont'd)

(B) Moves 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 for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

7.2.4 Minimum Periods

The minimum service period for all services except DS3 High Capacity Service is one month and the full monthly rate will apply to the first month. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in 2.4.1(F) preceding. The minimum service period for DS3 High Capacity service is twelve months.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.5 Mileage Measurement

The mileage to be used to determine the monthly rate for the Channel Mileage Facility is calculated on the airline distance between the locations involved, i.e.,

- the serving wire centers associated with two customer designated premises,
- a serving wire center associated with a customer designated premises and a Telephone Company hub,
- two Telephone Company hubs
- or between the serving wire center associated with a customer designated premises and a WATS Serving Office.

The serving wire center associated with a customer designated premises is the serving wire center from which this customer designated premises would normally obtain dial tone.

Mileage charges are shown with each channel type. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, then multiply the resulting number of miles times the Channel Mileage Facility per mile rate, and add the Channel Mileage Termination rate for each termination. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. When more than one Telephone Company is involved in the provision of service, billing will be accomplished as set forth in 2.4.7 preceding.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.5 Mileage Measurement (Cont'd)

When hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e.,

- customer designated premises serving wire center to hub,
- hub to hub and/or
- hub to customer designated premises serving wire center.

However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

See the service configuration example for multipoint service as set forth in 7.1.3(B) preceding.

7.2.6 RESERVED FOR FUTURE USE

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 7-25

7.2 Rate Regulations (Cont'd)

7.2.6 RESERVED FOR FUTURE USE (Cont'd)

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 7-26

7.2 Rate Regulations (Cont'd)

7.2.6 RESERVED FOR FUTURE USE (Cont'd)

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.7 Mixed Use Analog and Digital High Capacity Services

Mixed use refers to a rate application applicable only when the customer orders High Capacity Special Access facilities between a customer designated premises and a Telephone Company hub where the Telephone Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Special and Switched Access Services. If the customer has Switched Access Service between a customer designated premises and an end office that is multiplexed at a Telephone Company hub and subsequently orders the derived channels as Special and Switched Access Service, rates and charges will apply as if the service were ordered as mixed use.

Except as noted above, the High Capacity facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexing Arrangement). The nonrecurring charge that applies when the mixed use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for Switched Access Service. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the mixed use facility.

When Special Access Service is provided utilizing a channel of the mixed use facility to a hub, High Capacity rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the customer designated premises. The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.7 Mixed Use Analog and Digital High Capacity Services (Cont'd)

As each individual channel is activated for Switched Access Service, the High Capacity Special Access Channel Termination, Channel Mileage, and Multiplexing rates will be reduced accordingly (e.g., 1/24th for a DS1 service, 1/672nd for a DS3 service, etc.). Switched Access Service rates and charges, as set forth in 17.2 following, will apply for each channel that is used to provide a Switched Access Service. The Switched Access Service Entrance Facility charge, if applicable, will be reduced by multiplying its rate by the ratio of derived Switched Access Service channels to the total number of channels that can be derived. If the Telephone Company is providing Direct Trunked Transport, then the Direct Trunked Transport and Multiplexing Charges will be reduced by multiplying their respective rates by the ratio of derived Direct Trunked Transport channels to the total number of channels that can be derived.

The customer must place an order for each individual Switched or Special Access Service utilizing the Mixed Use Facilities and specify the channel assignment for each such service.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.8 High Capacity Optional Rate Plans

There are two High Capacity Optional Rate plans: a Term Discount plan and a Capacity Discount plan.

The Term Discount plan applies to Special Access DS1 and DS3 High Capacity Service Channel Termination, Channel Mileage Facility and Channel Mileage Termination monthly rates, as set forth following. The current monthly rates for such services are reduced by a fixed percentage. The amount of the discount percentage differs based on the length of the service commitment period selected by the customer. The Term Discount percentages for High Capacity Service are as set forth in 17.3.8 following.

Discounts for the Term Discount plan are only applied to High Capacity Service provided to a customer within the same state and LATA by the same Telephone Company.

Discounts for the Capacity Discount plan are only applied to Special Access DS3 High Capacity Service Channel Termination monthly rates as set forth in 17.3.8 following.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.8 High Capacity Optional Rate Plans (Cont'd)

The Term Discount and Capacity Discount Optional Rate Plans are only available from those Telephone Companies listed in 17.3.10 following.

The minimum service period on a monthly rate basis is one month for DS1 service and twelve months for DS3 service.

(A) Term Discounts

DS1 and DS3 High Capacity Special Access Service may be ordered at the customer's option on a monthly rate basis or for Term Discount periods of 36 months (3 years) or 60 months (5 years).

The minimum service period for all Term Discount plans is twelve months. The customer must specify the length of the service commitment period at the time the service is ordered.

For customers that subscribe to the Term Discount plan for 36 or 60 months, the Term Discount percentage as set forth in 17.3.8 following will be frozen from Company initiated decreases, for the entire discount period at the percent in effect at the beginning of the Term Discount period.

If a Term Discount Percentage increase occurs during the term of an existing Term Discount plan, the increased percentage will be applied automatically to the remainder of the current Term Discount period.

At the end of the Term Discount period, the customer may convert to month-to-month service or subscribe to a new Term Discount plan. If the customer does not make a choice by the end of the discount period, the rates will automatically convert to month-to-month service rates.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

- 7. Special Access Service (Cont'd)
- 7.2 Rate Regulations (Cont'd)
- 7.2.8 High Capacity Optional Rate Plans (Cont'd)
 - (A) Term Discounts (Cont'd)

To be included in a Service Term Discount plan, all eligible High Capacity rate elements must be ordered for the same commitment term (i.e., all 36 months or all 60 months) and with the same service date. When additional capacity is subsequently added, it will be available only on a month-to-month basis unless the discount period of the entire service is upgraded.

Eligible DS1 or DS3 High Capacity rate elements are those Channel Terminations, Channel Mileage Facility and Channel Mileage Terminations provided to a customer within the same state and LATA by the same Telephone Company. As long as the number of DS1s or DS3s included in a Term Discount plan remains constant, customer requests to install and disconnect DS1 or DS3 services, including changes affecting different wire centers and/or customer designated premises, will not change the current Term Discount period or the minimum service period, and Discontinuance of Service charges as set forth in (3) following will not apply.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.8 High Capacity Optional Rate Plans (Cont'd)

(A) Term Discounts (Cont'd)

(1) Upgrades in Term Discounts

Services provided under monthly rates or Term Discount rates may be upgraded to a Term Discount plan at any time without incurring Channel Termination nonrecurring charges or discontinuance charges for existing services. The new Term Discount plan must meet or exceed the service term of the plan being upgraded. For example, a service with a 36 month commitment period may be upgraded to a new 36 month, or 60 month service period. The monthly rates will be those that are in effect at the time the service is upgraded. A new minimum service period applies to all High Capacity Service that is upgraded.

(2) Upgrades in Capacity (DS1 to DS3)

If the customer chooses to upgrade a service under the Term Discount rate plan to a higher capacity (i.e., DS1 to DS3), discontinuance charges will not apply, provided all the following conditions are met:

- the customer's order for the disconnect of the existing DS1 Service and the installation of the new DS3 Service are received at the same time and specifically reference the application of upgrade in capacity,
- the customer's disconnect order for the existing DS1 Service must reference the DS3 Service installation order,
- the new service has a total voice equivalent channel capacity greater than the total voice equivalent channel capacity of the service being discontinued and,
- the new Term Discount period meets or exceeds the Term Discount period being discontinued.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.8 High Capacity Optional Rate Plans (Cont'd)

(A) Term Discounts (Cont'd)

(2) Upgrades in Capacity (DS1 to DS3) (cont'd)

A new minimum service period applies to all upgrades. Channel Termination nonrecurring charges for an equivalent channel capacity of the existing services being upgraded to the higher speed service will not be assessed. For example, 30 DS1 Services are being upgraded to DS3 Service. A capacity of 3 is installed at the customer's request. A total of 2 DS3 Channel rate elements will be installed without Channel Termination nonrecurring charges being assessed, as it will require 2 DS3 Channel rate elements to provide the equivalent channel capacity of the existing services. Channel Termination nonrecurring charges will not apply to the upgraded lower speed services placed on the higher speed service if requested at the same time as the upgrade request. Channel Termination nonrecurring charges will apply for capacity that exceeds the existing equivalent channel capacity.

Should the customer choose to upgrade either a portion of, or the entire DS1 Service under the Term Discount plan to a DS3 Service and move the service to a new customer location(s) within the same state and LATA, and when service is provided by the same telephone company, discontinuance charges will not apply.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.8 High Capacity Optional Rate Plans (Cont'd)

(A) Term Discounts (Cont'd)

(3) Discontinuance of Service

If the customer chooses to disconnect all or a portion of the service prior to the expiration of the Term Discount period, discontinuance charges will apply to the portion of the service being discontinued.

Should the customer choose to discontinue a Term Discount plan prior to the completion of the minimum service period, discontinuance charges will apply. Discontinuance charges equal to one-hundred percent of the total undiscounted monthly rates, less any amounts previously paid, will apply for the minimum service period. Additionally, discontinuance charges of fifteen percent for DS1 service, and fifty percent for DS3 service, of the total undiscounted monthly charges will apply to the remaining portion of the discount service term.

Should the customer choose to discontinue service ordered under a Term Discount plan after the minimum service period but before the completion of the discount period, discontinuance charges will apply. Discontinuance charges of fifteen percent for DS1 Service, and fifty percent for DS3 Service, of the total undiscounted monthly charges will apply to the remaining portion of the discount period. For example, a customer has a DS1 Service which it chooses to discontinue after 33 months into a 60-month service term. The discontinuance charge would be 0.15 times 27 months times the undiscounted monthly rates for that service.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.8 High Capacity Optional Rate Plans (Cont'd)

(B) DS3 Capacity Discounts

DS3 High Capacity Service may also be ordered at discounted rates in capacities of 3, 6 and 12 systems under a Capacity Discount Plan. Capacity Discounts apply only to DS3 Channel Terminations (i.e., DS3 Capacity Interfaces and DS3 Channels Installed). DS3 Capacity Discounts may be ordered as part of, or separate from Term Discount plans. When ordered in conjunction with Term Discount plans the DS3 Channel Terminations must all be ordered under the same month-to-month rate or Term Discount plan with the same service period and service date.

For DS3 High Capacity Channel Terminations the Capacity Interface must be ordered before or in conjunction with an associated DS3 Channel Installed. In addition, the Capacity Interface cannot be disconnected until all of the DS3 Channels Installed are disconnected.

High Capacity Channel Mileage Facility and Channel Mileage Termination charges will apply as required Per DS3 Channel Installed. Capacity Discounts will not apply to these rate elements.

Capacity Discounts will only apply on DS3 Channel Terminations ordered between a serving wire center and customer location, over the same route. Channel Terminations associated with facilities provided between the same serving wire center and customer location via a second or alternate route will not be included as part of the same Capacity Discount plan as the primary route.

The minimum service period for all Capacity Discount plans is twelve months.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.8 High Capacity Optional Rate Plans (Cont'd)

(B) DS3 Capacity Discounts (Cont'd)

(1) Upgrades in DS3 Capacity Discounts

Services rated under the DS3 monthly rate plan may be upgraded to a Capacity Discount Plan at any time, without incurring Channel Termination nonrecurring or discontinuance charges for existing services.

Customers with a capacity of 1, 3 or 6 DS3 High Capacity Special Access Systems may upgrade to a new Capacity Discount without incurring Channel Termination nonrecurring or discontinuance charges for existing capacity. This upgrade will be allowed provided the customer designated premises remain the same. Additionally, the new Channel Termination capacity must exceed the Channel Termination capacity of the plan being upgraded. For example, a customer orders a Capacity of 3 DS3 Interface with 2 DS3 Channels Installed. Subsequently, the customer requests an upgrade to a Capacity of 12 DS3 Interface and adds an additional 3 DS3 Channels installed. The monthly rates will be those that are in effect at the time the service is upgraded. A new minimum service period applies to all services that are upgraded. Full Channel Termination nonrecurring charges as set forth in Section 17.3.8 will apply only to the 3 additional DS3 Channels added at the time of the discount plan upgrade.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.2 Rate Regulations (Cont'd)

7.2.8 High Capacity Optional Rate Plans (Cont'd)

(B) DS3 Capacity Discounts (Cont'd)

(1) Upgrades in DS3 Capacity Discounts (Cont'd)

Customers that subscribe to DS3 Capacity Discount plan may upgrade to a larger Capacity Interface. Discontinuance charges will not apply if all the following conditions are met:

- the customer's order for the disconnect of the current DS3 Capacity Interface and order for the installation of the upgraded DS3 Capacity Interface are received by the telephone company at the same time and specifies that the capacity of service is to be upgraded,
- the customer's disconnect order for the existing DS3 Service must reference the new connection order,
- the new service is provided between the same customer locations as the discontinued service,
- the new service has a DS3 Capacity Interface larger than the Capacity Interface of the discount plan or plans being discontinued and,
- any applicable DS3 High Capacity Term Discount plan time period is reestablished or upgraded at the time of the upgrade in the Capacity Discount plan.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.3 Surcharge for Special Access Service

7.3.1 General

Special Access Services provided under this tariff may be subject to the monthly Special Access Surcharge.

7.3.2 Application

- (A) The Special Access Surcharge will apply to each interstate Special Access Service that terminates on an end user's PBX or other device, where through a function of the device, the Special Access Service interconnects to the local exchange network. Interconnection functions include, but are not limited to, wiring and software functions, bridging, switching or patching of calls or stations. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex CO-type switch.
- (B) Special Access Service will be exempted from the Surcharge by the Telephone Company upon receipt of the customer's written certification for the following Special Access Service terminations:
- (1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA- equivalent ONALs; or
 - (2) an analog channel termination that is used for radio or television program transmission; or
 - (3) a termination used for TELEX service; or
 - (4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines such as, terminations which are restricted through hardware or software; or

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.3 Surcharge for Special Access Service (Cont'd)

7.3.2 Application (Cont'd)

(B) (Cont'd)

- (5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the Special Access Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination, or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or
- (6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device which interconnects the Special Access Service to a local exchange subscriber line.

7.3.3 Exemption of Special Access Service

- (A) Special Access Services which are terminated as set forth in 7.3.2(B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with written exemption certification. The certification may be provided to the Telephone Company as follows:
- at the time the Special Access Service is ordered or installed;
 - at such time as the service is reterminated to a device which does not interconnect the service to local exchange facilities; or
 - at such time as the service becomes associated with a Switched Access Service that is subject to Carrier Common Line Charges.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.3 Surcharge for Special Access Service (Cont'd)

7.3.3 Exemption of Special Access Service (Cont'd)

- (B) The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in 7.3.2(B) preceding, for each termination, and the date which the exemption is effective.
- (C) The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.
- (D) The Telephone Company will work cooperatively with the customer to resolve any questions regarding the exemption certification. In addition, the Telephone Company may withhold exemption of the service until the questions are resolved.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.3.4 Rate Regulations

- (A) The surcharge will apply as set forth in 7.3.2(A) preceding, except that a surcharge will be assessed on a per voice grade equivalent basis for Special Access Services derived from High Capacity Special Access Services as illustrated in the following example:

<u>Special Access Service</u>	<u>Voice Grade Equivalent</u>	<u>Surcharge</u>	<u>Monthly Charge</u>
DS1	24 x	\$25	=\$600.00

The preceding example illustrates the maximum number of surcharges applicable to a DS1. If the customer claims exemption(s) as set forth in 7.3.3 preceding or, is not utilizing all available voice grade equivalents and has spare capacity, the number of surcharges would be reduced accordingly.

In the case of multipoint Special Access Services, one Special Access Surcharge will apply for each termination of a Special Access Channel at an end user's premises.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.3 Surcharge for Special Access Service (Cont'd)

7.3.4 Rate Regulations (Cont'd)

- (B) The Telephone Company will bill the appropriate Special Access Surcharge to the ordering customer for each interstate Special Access Service installed unless exemption certification is provided as set forth in 7.3.3 preceding.
- (C) If a written certification is not received at the time the Special Access Service is obtained, the Surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations set forth in (D) following.
- (D) **Crediting the Surcharge**
The Telephone Company will cease billing the Special Access Surcharge when certification, as set forth in 7.3.3. preceding, is received. If the status of the Special Access Service was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change as specified by the customer in the letter of certification.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.4 Metallic Service

7.4.1 Basic Channel Description

A Metallic channel is an unconditioned two-wire channel arranged to transmit direct current and capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

Metallic Special Access Services are typically used for applications such as alarm, pilot wire protective relaying, and dc tripping protective relaying. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

Rates and charges for Special Access Metallic Service are as set forth in 17.3.2 following.

7.4.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(A) following. Compatible network channel interfaces are set forth in 15.2.2(C)(1) following.

7.4.3 Optional Features and Functions

Central Office Bridging Capability

- (A) Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.
- (B) Series Bridging of up to 26 customer designated premises.
The table set forth in 15.2.1(A) following shows the technical specifications packages with which the optional features and functions are available.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.5 Telegraph Grade Service

7.5.1 Basic Channel Description

Telegraph Grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half- duplex or duplex operation. Telegraph Grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs.

Telegraph Grade Special Access Services are typically used for applications such as teletypewriter, telegraph grade control/remote metering, telegraph grade channel, telegraph grade extension, and telegraph grade entrance facilities. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

Rates and charges for Special Access Telegraph Grade Service are as set forth in 17.3.3 following.

7.5.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(B) following. Compatible network channel interfaces are set forth in 15.2.2(C)(2) following.

7.5.3 Optional Features and Functions

Telegraph Bridging (two-wire and four-wire)

The table set forth in 15.2.1(B) following shows the technical specifications packages with which the optional features and functions are available.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.6 Voice Grade Service

7.6.1 Basic Channel Description

A Voice Grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated as two-wire or four-wire. Voice Grade channels are provided between customer designated premises, between a customer designated premises and a Telephone Company hub or hubs, or between a customer designated premises and a WATS Serving Office (WSO).

Voice Grade Special Access Services are typically used for voice and voiceband data applications. Typical examples of voice grade circuits are Foreign Exchange lines (station end only), multipoint private line, voice trunk type, two-point voice grade data (one-way or simultaneous two-way), multipoint voice grade data, and voice grade telephoto or facsimile. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

Rates and charges for Special Access Voice Grade Service are as set forth in 17.3.4 following.

7.6.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(C) following. Compatible network channel interfaces are set forth in 15.2.2(C)(3) following.

7.6.3 Optional Features and Functions

(A) Central Office Bridging Capability

- (1) Voice Bridging (two-wire and four-wire)
- (2) Data Bridging (two-wire and four-wire)
- (3) Telephoto Bridging (two-wire and four-wire)
- (4) DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.6 Voice Grade Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(A) Central Office Bridging Capability (Cont'd)

(5) Telemetry and Alarm Bridging

Split Band, Active Bridging
Passive Bridging
Summation, Active Bridging

The rates for these options are set forth in 17.3.4(C)(1)(e) following.

(B) Central Office Multiplexing

Voice to Telegraph Grade. An arrangement that converts a Voice Grade channel to Telegraph Grade channels using frequency division multiplexing.

The rate for this option is set forth in 17.3.4(C)(5) following.

(C) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. The rates for these options are set forth in 17.3.4(C) following.

For two-point services, the parameters apply to each service as measured end-to-end. For multipoint services, the parameters apply as measured on each mid-link or as measured on each end link. C-Type conditioning and Data Capability may be combined on the same service.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.6 Voice Grade Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(C) Conditioning (Cont'd)

(1) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are delineated in Technical Reference TR-TSY-000335.

(2) Improved Attenuation Distortion

Improved Attenuation Distortion upgrades the frequency versus loss limits of the channel. The technical specifications for Improved Attenuation Distortion are delineated in Technical Reference TR-TSY-000335. This option is available only when ordered in combination with C-Type Conditioning.

(3) Improved Envelope Delay Distortion

Improved Envelope Delay Distortion upgrades the frequency versus delay response limits of the channel. The technical specifications for Improved Envelope Delay Distortion are delineated in Technical Reference TR-TSY-000335. This option is available only when ordered in combination with C-Type Conditioning.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.6 Voice Grade Service (Cont'd)
7.6.3 Optional Features and Functions (Cont'd)

(C) Conditioning (Cont'd)

(4) Data Capability (D Conditioning)

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or three-point multipoint services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 17.3.4(C)(2) following.

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(5) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 17.3.4(C)(2) following.

(6) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type network channel interfaces.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.6 Voice Grade Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(D) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. The level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 17.3.4(C)(4) following.

(E) Improved Return Loss

(1) On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 17.3.4(C)(3) following.

(2) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 17.3.4(C)(3) following.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.6 Voice Grade Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(F) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service. The rate for this option is set forth in 17.3.4(C)(6) following.

The following network channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following network channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF. The signaling capability charge will not apply when used in the provision of WATS access service.

(G) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service. The rate for this option is set forth in 17.3.4(C)(7) following.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.6 Voice Grade Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(F) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service. The rate for this option is set forth in 17.3.4(C)(6) following.

The following network channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR and TF.

The following network channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF. The signaling capability charge will not apply when used in the provision of WATS access service.

(G) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service. The rate for this option is set forth in 17.3.4(C)(7) following.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.6 Voice Grade Service (Cont'd)

7.6.3 Optional Features and Functions (Cont'd)

(K) Improved Two-Wire Voice Transmission

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 280 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBrnc0
51 to 100	37 dBrnc0
101 to 200	40 dBrnc0
201 to 400	43 dBrnc0
401 to 100	45 dBrnc0

(4) Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL 13.0 dB
SRL 6.0 dB

The rate for the provision of Improved Two-Wire Voice Transmission is included as part of the basic Channel Termination rate.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.7 Program Audio Service

7.7.1 Basic Channel Description

A Program Audio channel is a channel with bandwidth measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio channels are provided between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs.

Program Audio Special Access services are typically used in full-time and part-time applications for radio broadcasting, noncommercial educational audio, and wired music. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

Rates and charges for Special Access Program Audio Service are as set forth in 17.3.5 following.

7.7.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(D) following. Compatible network channel interfaces are set forth in 15.2.2(C)(4) following.

7.7.3 Optional Features and Functions

(A) Central Office Bridging Capability

Distribution Amplifier

(B) Gain Conditioning

Control of 1004 Hz AML at initiation of service to $0 \text{ dB} \pm 0.5 \text{ dB}$.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 7-45

7.7 Program Audio Service (Cont'd)

7.7.3 Optional Features and Functions (Cont'd)

(C) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (An additional Program Audio channel must be ordered separately.)

The table set forth in 15.2.1(D) following shows the technical specifications packages with which the optional features and functions are available.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.8 Video Service

7.8.1 Basic Channel Description

A Video channel is a channel with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color, video signal and one or two associated 5 or 15 kHz audio signal(s). The associated audio signal(s) may be either diplexed or provided as one or two separate channels. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video channels are provided between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs.

Rates and charges for Special Access Video Service are as set forth in 17.3.6 following.

7.8.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(E) following. Compatible network channel interfaces are set forth in 15.2.2(C)(5) following.

The following network channel interfaces (NCIs) define the bandwidth and the provision of the audio signal(s) associated with a Video channel:

<u>NCI</u>	<u>Audio Bandwidth</u>	<u>Provision</u>
2TV6-1	15kHz	1 Channel, diplexed
2TV6-2	15kHz	2 Channels, diplexed
2TV7-1	15kHz	1 Channel, diplexed
2TV7-2	15kHz	2 Channels, diplexed
4TV6-5	5kHz	1 Channel, separate
4TV6-15	15kHz	1 Channel, separate
4TV7-5	5kHz	1 Channel, separate
4TV7-15	15kHz	1 Channel, separate
6TV6-5	5kHz	2 Channels, separate
6TV6-15	15kHz	2 Channels, separate
6TV7-5	5kHz	2 Channels, separate
6TV7-15	15kHz	2 Channels, separate

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.9 Digital Data Service

7.9.1 Basic Channel Description

A Digital Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0* Kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are provided as either hubbed or non-hubbed services between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs. The hubs providing hubbed digital service and the wire centers providing non-hubbed digital service are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., WIRE CENTER INFORMATION, TARIFF F.C.C. NO. 4.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the customer premises.

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds (if provided through a Digital Data hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Rates and charges for Special Access Digital Data Service are as set forth in 17.3.7 following.

*When 64.0 Kbps service is multiplexed on a DS1 High Capacity service, the DS1 must be equipped to provide Clear Channel Capability.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.9 Digital Data Service (Cont'd)

7.9.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(F) following. Compatible channel interfaces are set forth in 15.2.2(C)(6) following.

7.9.2 Technical Specifications Packages and Network Channel Interfaces (Cont'd)

The following network channel interfaces (NCIs) define the bit rates that are available for a Digital Data channel:

<u>NCI</u>	<u>Bit Rate</u>
DU-24	2.4 Kbps
DU-48	4.8 Kbps
DU-96	9.6 Kbps
DU-19	19.2 Kbps
DU-56	56.0 Kbps
DU-64	64.0 Kbps

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.9.3 Optional Features and Functions

The Optional Features and Functions described in (A), (B), and (C) following are only available where Digital Data Service is provided via a hub.

(A) Central Office Bridging Capability

Bridging is not available on a 64.0 Kbps channel.

(B) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer designated premises. This arrangement is only available at a Telephone Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as a part of the option.

(C) Public Packet Switching Network (PPSN) Interface Arrangement

An arrangement that provides the interface requirements that permit a Digital Data Service to interface with a Public Packet Switching Network packet switch located in a Telephone Company premises. The interface is compatible with X.25 and X.75 packet switching protocols as defined by the CCITT.

The table set forth in 15.2.1(F) following shows the technical specifications packages with which the optional features and functions are available.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 7-50

7.10 High Capacity Service

7.10.1 Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 Kbps* or 1.544, 3.152, 6.132, 44.736, or 274.176 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.

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

Rates and charges for Special Access High Capacity Service are as set forth in 17.3.8 following.

- * Available only as a channel of a 1.544 Mbps facility to a Telephone Company Digital Data hub or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 Kbps channels of two 1.544 Mbps facilities to a Digital Data hub(s). The customer must provide system and channel assignment data.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.10 High Capacity Service (Cont'd)

7.10.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 15.2.1(G) following. Compatible channel interfaces are set forth in 15.2.2(C)(7) following.

The following network channel interfaces (NCIs) define the bit rates that are available for a High Capacity channel:

<u>NCI</u>	<u>Bit Rate</u>
DS-15*	1.544 Mbps (DS1)
DS-27	274.176 Mbps (DS4)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

- * A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps channel to a Telephone Company hub.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.10 High Capacity Service (Cont'd)

7.10.3 Optional Features and Functions

(A) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel line when a working line fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer designated premises. The customer is responsible for providing the equipment at its designated premises. Equipment at the customer designated premises will be provided under tariff only if it existed in the Telephone Company inventory as of November 18, 1983.

(B) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer designated premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

7.10 High Capacity Service (Cont'd)

7.10.3 Optional Features and Functions (Cont'd)

(C) Central Office Multiplexing

- (1) DS4 to DS1
An arrangement that converts a 274.176 Mbps channel to 168 DS1 channels using digital time division multiplexing.
- (2) DS3 to DS1
An arrangement the converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.
- (3) DS2 to DS1
An arrangement that converts a 6.312 Mbps channel to four DS1 channels using digital time division multiplexing.
- (4) DS1C to DS1
An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.
- (5) DS1 to Voice
An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for a Digital Data Service.
- (6) DS1 to DS0
An arrangement that converts a 1.544 Mbps channel to 23 64.0 Kbps channels utilizing digital time division multiplexing.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 7-54

7.10 High Capacity Service (Cont'd)

7.10.3 Optional Features and Functions (Cont'd)

(C) Central Office Multiplexing (Cont'd)

(7) DS0 to Subrate

An arrangement that converts a 64.0 Kbps channel to subspeeds of up to twenty 2.4 Kbps, ten 4.8 Kbps, or five 9.6 Kbps channels using digital time division multiplexing.

The table set forth in 15.2.1(G) following shows the technical specifications packages with which the optional features and functions are available.

(D) RESERVED FOR FUTURE USE

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 7-55

7.11 Individual Case Filings

Certain services set forth in Special Access Service, Section 7. are provided on an Individual Case Basis.

Issued: September 10, 1991
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Section - 8

CONTENTS

Sheet

8.	<u>RESERVED FOR FUTURE USE</u>	8-1
----	--------------------------------------	-----

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 8-1

8. RESERVED FOR FUTURE USE

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Section - 9

CONTENTS

Sheet

9.	<u>RESERVED FOR FUTURE USE</u>	9-1
----	--------------------------------------	-----

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 9-1

9. RESERVED FOR FUTURE USE

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Section - 10

CONTENTS

	<u>Sheet</u>
10. <u>Special Federal Government Access Services</u>	10-1
10.1 <u>General</u>	10-1
10.2 <u>Emergency Conditions</u>	10-2
10.3 <u>Facility Availability</u>	10-3
10.4 <u>Federal Government Regulations</u>	10-3
10.5 <u>Service Offerings to the Federal Government</u>	10-4
10.6 <u>Rates and Charges</u>	10-8

10. Special Federal Government Access Services

10.1 General

This section covers Special Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Telephone Company or customer.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

10.2 Emergency Conditions

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

- State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").
- Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad. (Includes space vehicle recovery and protection efforts.)
- Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.
- The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.
- Political unrest in foreign countries which affect the national interest.
- Presidential service.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

10.3 Facility Availability

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to provide service.

10.4 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provisions of this tariff to provide their services to the Federal Government.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

10.5 Service Offerings to the Federal Government

The following unique services are provided to a customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers. The rates and charges for these services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

10.5.1 Type and Description

(A) Voice Grade Special Access Services

(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50,000 Hertz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between a customer designated premises and an end user's premises. Services are conditioned as follows:

T-3 Conditioning - The absolute loss (referenced to 1 milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz
13 dB at 100 Hz
9 dB at 1,000 Hz
20 dB at 10,000 Hz
30 dB at 50,000 Hz

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0 dB at 1,000 Hz
± 1 dB between 1,000 Hz and 40,000 Hz
± 2 dB between 10 Hz and 50,000 Hz
(+ means more loss)

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 10-5

10.5 Service Offerings to the Federal Government (Cont'd)

10.5.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services (Cont'd)

(1) Voice Grade Secure Communications Type I (Cont'd)

The net loss of the conditioned service (with or without additional conditioning) shall not vary by more than four dB at 1,000 Hz from the levels specified preceding. Voice frequency signaling or supervisory tones can be transmitted.

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between a customer designated premises and an end user's premises. Services are conditioned as follows:

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type I services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

10.5 Service Offerings to the Federal Government (Cont'd)

10.5.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services (Cont'd)

(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between a customer designated premises and an end user's premises. Services are conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the customer designated premises to the end user's premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; from the end user's premises to the customer designated premises shall be the same as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between two customer designated premises. Services are conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

10.5 Service Offerings to the Federal Government (Cont'd)

10.5.1 Type and Description (Cont'd)

(B) Wideband Digital Special Access Service

Service arrangements for secured communications to accommodate the transmission of binary digital baseband signals in a random polar format.

(1) Wideband Secure Communications Type I

For transmission at the rate of 18,750 bits per second.

(2) Wideband Secure Communications Type II

For transmission at the rate of 50,000 bits per second.

(3) Wideband Secure Communications Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of twenty microseconds at a rate of 50,000 bits per second.

To accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50,000 bits per second.

10.5.2 Mileage Application

Mileage, when used for rate application between the serving wire centers of two customer designated premises, shall be determined by the V and H Coordinates Method as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4 and administered as set forth in 7.2.5 preceding.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

10.6 Rates and Charges

10.6.1 General

The rates and charges for special offerings to the federal government, such as those set forth in 10.5 preceding, are developed on an individual cases basis and are set forth in 17.4.5 following.

10.6.2 Voice Grade Special Access

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Separate narrowband or voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

10.6.3 Move Charges

- (A) When a service without a termination charge associated with it, as set forth in 17.4.5 following, is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.
- (B) When service with a termination charge associated with it, as set forth in 17.4.5 following, is moved and is reinstalled at a new location, the customer may elect:
- to pay the unexpired portion of the termination charge for the service, if any, with the application of a nonrecurring charge and the establishment of a new termination charge for such service at the new location, or
 - to continue service subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 10-9

10.6 Rates and Charges (Cont'd)

10.6.3 Move Charges (Cont'd)

(B) (Cont'd)

Move charges include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
11. <u>Special Facilities Routing of Access Services</u>	11-1
11.1 <u>Description</u>	11-1

11. Special Facilities Routing of Access Services

11.1 Description

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing. The rates and charges for Special Facilities Routing of Access Services are developed on an individual case basis. Such rates and charges for Special Facilities Routing of Access Services are as set forth in 17.4.6 following and are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

11.1.1 Diversity

Two or more circuits must be provided over not more than two different physical routes.

11.1.2 Avoidance

A circuit(s) must be provided on a route which avoids specified geographical locations.

11.1.3 Diversity and Avoidance Combined

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

11. Special Facilities Routing of Access Services (Cont'd)

11.1.4 Cable-Only Facilities

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6. preceding; Metallic, Telegraph Grade and Voice Grade Special Access Services as set forth respectively in 7.4, 7.5 and 7.6 preceding and Special Federal Government Access Services as set forth in 10.5 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in Section 6. preceding; Voice Grade Special Access Services as set forth in 7.6 preceding and Special Federal Government Access Services as set forth in 10.5 preceding.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
12. <u>Specialized Service or Arrangements</u>	12-1
12.1 <u>General</u>	12-1

12. Specialized Service or Arrangements

12.1 General

Specialized Service or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- The requested service or arrangements are provided within a LATA.
- The requested service or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

Rates and charges and additional regulations if applicable, for Specialized Service or Arrangements are provided on an individual case basis and are as set forth in 17.4.7 following.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
13. <u>Additional Engineering, Additional Labor and Miscellaneous Services</u>	13-1
13.1 <u>Additional Engineering</u>	13-2
13.2 <u>Additional Labor</u>	13-3
13.3 <u>Miscellaneous Services</u>	13-4

13. Additional Engineering, Additional Labor and Miscellaneous Services
13.1 addresses Additional Engineering. 13.2 addresses Additional Labor (which is comprised of Overtime Installation, Overtime Repair, Stand by, Testing and Maintenance with Other Telephone Companies, and Other Labor). 13.3 addresses Miscellaneous Services (which are comprised of Testing Services, Maintenance of Service and Telecommunications Service Priority). 13.4 addresses Presubscription.

In this section, normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 8:00 a.m. to 5:00 p.m.) for the application of rates based on working hours.

A Miscellaneous Service Order Charge as described in 5.4.2 preceding may be applicable to services ordered from this section.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

13.1 Additional Engineering

Additional Engineering, including engineering reviews as set forth in 5.4.3 preceding, will be undertaken only after the Telephone Company has notified the customer that additional engineering charges apply as set forth in 17.4.2 following, and the customer agrees to such charges.

Additional Engineering will be provided by the Telephone Company at the request of the customer only when:

- (A) A customer requests additional technical information after the Telephone Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in 6.1.3 and 7.1.6 preceding.
- (B) Additional engineering time is incurred by the Telephone Company to engineer a customer's request for a customized service as set forth in 7.1.2 preceding.
- (C) A customer requested Design Change requires the expenditure of additional engineering time. Such additional engineering time is incurred by the Telephone Company for the engineering review as set forth in 5.4.3 preceding. The charge for additional engineering time relating to the engineering review, which is undertaken to determine if a design change is indeed required, will apply whether or not the customer authorizes the Telephone Company to proceed with the Design Change. In this case the Design Change charge, as set forth in 17.4.1(C) following, does not apply unless the customer authorizes the Telephone Company to proceed with the Design Change.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

- 13.2 Additional Labor
Additional labor is that labor requested by the customer on a given service and agreed to by the Telephone Company as set forth in 13.2.1 through 13.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in 17.4.3 following will apply before any additional labor is undertaken. A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. When provisioning or restoring Telecommunications Service Priority services, the Telephone Company will, when possible, notify the customer of the applicability of these Additional Labor charges.
- 13.2.1 Overtime Installation
Overtime installation is that Telephone Company installation effort outside of normally scheduled working hours.
- 13.2.2 Overtime Repair
Overtime repair is that Telephone Company effort performed outside of normally scheduled working hours.
- 13.2.3 Stand by
Stand by includes all time in excess of one-half (1/2) hour during which Telephone Company personnel stand by to make installation acceptance tests or cooperative tests with a customer to verify facility repair on a given service.
- 13.2.4 Testing and Maintenance with Other Telephone Companies
Additional testing, maintenance or repair of facilities which connect other telephone companies is that which is in addition to the normal effort required to test, maintain or repair facilities provided solely by the Telephone Company.
- 13.2.5 Other Labor
Other labor is that additional labor not included in 13.2.1 through 13.2.4 preceding and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

13.3 Miscellaneous Services

13.3.1 Testing Services

Testing Services offered under this section of the tariff are optional and subject to rates and charges as set forth in 17.4.4 following. A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. Other testing services, as described in 6.1.4 and 7.1.7 preceding, are provided by the Telephone Company in association with Access Services and are furnished at no additional charge.

Testing services are normally provided by Telephone Company personnel at Telephone Company locations. However, provisions are made in (B)(2) following for a customer to request Telephone Company personnel to perform testing services at the customer designated premises.

The offering of Testing Services under this section of the tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in (A) and (B) following.

(A) Switched Access Service

Testing Services for Switched Access are comprised of (a) tests which are performed during the installation of a Switched Access Service, i.e., Acceptance Tests, (b) tests which are performed after customer acceptance of such access services and which are without charge i.e., routine testing and (c) additional tests which are performed during or after customer acceptance of such access services and for which additional charges apply, i.e., Additional Cooperative Acceptance Tests and in-service tests.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

13.3 Miscellaneous Services (Cont')

13.3.1 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

Routine tests are those tests performed by the Telephone Company on a regular basis, as set forth in 6.1.4 preceding which are required to maintain Switched Access Service. Additional in-service tests may be done on an automatic basis (no Telephone Company or customer technicians involved), on a manual basis [Telephone Company technician(s) involved at Telephone Company office(s) and Telephone Company or customer technician(s) involved at the customer designated premises].

Testing services are ordered to the Dial Tone Office for FGA, to the access tandem or end office for FGB (wherever the FGB service is ordered) and to the end office for FG's C and D. Testing Services for Directory Assistance Service not routed through an access tandem is ordered to a Directory Assistance Location for each NPA.

(1) Additional Cooperative Acceptance Testing

Additional Cooperative Acceptance Testing of Switched Access Service involves the Telephone Company provision of a technician at its office(s) and the customer provision of a technician at its premises, with suitable test equipment to perform the required tests.

Additional Cooperative Acceptance Tests may, for example, consist of the following tests:

- Impulse Noise
- Phase Jitter
- Signal to C-Notched Noise Ratio
- Intermodulation (Nonlinear) Distortion
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

13.3 Miscellaneous Services (Cont'd)

13.3.1 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(2) Additional Automatic Testing

Additional Automatic Testing (AAT) of Switched Access Services (Feature Groups B, C and D), is a service where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent. The customer may order, at additional charges, gain-slope and C-notched noise testing and may order the routine tests (1004 Hz loss, C-Message Noise and Balance) on an as needed or more than routine schedule.

The Telephone Company will provide an AAT report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

The Additional Tests, (i.e., gain slope, C-notched noise, 1004 Hz loss, C-message noise and balance) may be ordered by the customer at additional charges, 60 days prior to the start of the customer prescribed schedule. The rates for Additional Automatic Tests are as set forth in 17.4.4(B) following.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

13.3 Miscellaneous Services (Cont'd)

13.3.1 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(3) Additional Manual Testing

Additional Manual Testing (AMT) of Switched Access Services (Feature Groups A, B, C, and D and Directory Access Service not routed through an access tandem), is a service where the Telephone Company provides a technician at its office(s) and the Telephone Company or customer provides a technician at the customer designated premises, with suitable test equipment to perform the required tests. Such additional tests will normally consist of gain-slope and C-notched noise testing. However, the Telephone Company will conduct any additional tests which the IC may request.

The Telephone Company will provide an AMT report listing the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on a per occurrence basis.

The Additional Manual Tests may be ordered by the customer at additional charges, 60 days prior to the start of the testing schedule as mutually agreed to by the customer and the Telephone Company.

The rates for Additional Manual Testing are as set forth in 17.4.4(C) following.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 13-8

13.3 Miscellaneous Services (Cont'd)

13.3.1 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(4) Obligations of the Customer

- (A) The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support routine testing as set forth in 6.1.4 preceding or AAT as set forth in 13.3.1(A)(2) preceding.
- (B) The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

13.3 Miscellaneous Services (Cont'd)

13.3.1 Testing Services (Cont'd)

(B) Special Access Service (Cont'd)

(2) Additional Manual Testing

The Telephone Company will provide a technician at its premises, and the Telephone Company or customer will provide a technician at the customer's designated premises with suitable test equipment to perform the requested tests.

(3) Obligation of the Customer

When the customer subscribes to Testing Service as set forth in this section, the customer shall make the facilities to be tested available to the Telephone Company at time mutually agreed upon.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

13.3 Miscellaneous Services (Cont'd)

13.3.2 Maintenance of Service

- (A) When a customer reports a trouble to the Telephone Company for clearance and no trouble is found in the Telephone Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge as set forth in 17.4.4(F) following for the period of time from when Telephone Company personnel are dispatched, at the request of the customer, to the customer designated premises to when the work is completed. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.
- (B) The customer shall be responsible for payment of a Maintenance of Service charge when the Telephone Company dispatches personnel to the customer designated premises, and the trouble is in equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service Charge applies.

13.3.3 Telecommunications Service Priority - TSP

- (A) Priority installation and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC'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 Vendor Handbook" (NCSH 3-1-2) dated July 9, 1990, and "Telecommunications Service Priority System for National Security Emergency Preparedness Service User Manual" (NCSM 3-1-1).

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 13-12

13.3 Miscellaneous Services (Cont'd)

13.3.3 Telecommunications Service Priority - TSP

The TSP System is a service, developed to meet the requirements of the Federal Government, as specified in the Service Vendor's Handbook and Service User's Manual which provides the regulatory, administrative and operational framework for the priority installation and/or restoration of NSEP telecommunications services. These include both Switched and Special Access Services. The TSP System applies only to NSEP telecommunications servi

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 13-13

13.3 Miscellaneous Services (Cont'd)

13.3.4 Miscellaneous Equipment

(A) Controller Arrangement

This arrangement enables the customer to control up to 48 transfer functions at a Telephone Company central office via a remote keyboard terminal capable of either 300 or 1200 bps operation. Included as part of the Controller Arrangement is a dial-up data station located at the Telephone Company Central Office to provide access to the Controller Arrangement. This dial-up data station consists of a 212A DATAPHONE data set and an appropriate Telephone Company provided channel.

The Controller Arrangement must be located in the same Telephone Company central office as the transfer functions which it controls.

Charges for the Controller Arrangement are set forth in 17.4.4(H) following.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

13.3 Miscellaneous Services (Cont'd)

13.3.5 IntraLATA Presubscription

(A) General

IntraLATA Presubscription is a procedure whereby a customer designates to the Telephone Company the carrier which the customer wishes to be the carrier of choice for intraLATA toll calls. Such calls are automatically directed to the designated carrier, without the need to use carrier access codes or additional dialing to direct the call to the designated carrier. IntraLATA presubscription does not prevent a customer, who has presubscribed to an intraLATA toll carrier, from using carrier access codes or additional dialing to direct calls to an alternative intraLATA toll carrier on a per call basis.

All intraLATA toll message calls are subject to IntraLATA Presubscription. An intraLATA toll message call is a completed call on the public switched network between the originating location and a terminating location within a given LATA, but outside the local service area of the originating location.

All 0- calls, calls to 1-HNPA-555-1212 or 555-1212, 411, 611, 911, Public Announcement Service calls (976-XXXX), and all local calls, including Extended Area Service (EAS) and Expanded Local Calling calls, are specifically excluded from IntraLATA Presubscription. Calls using the 500, 700, 800 series, or 900 service access codes shall be routed in accordance with the North American Numbering Plan.

(B) Rules and Regulations

Customers of record on the effective date of this tariff will retain their current dialing arrangements until they request that their dialing arrangements be changed. All customers of record will be initially presubscribed to the Telephone Company's intraLATA carrier.

Customers may change their Option and/or their presubscribed intraLATA toll carrier at any time subject to charges specified in

Issued: May 1, 1997
Effective: June 28, 1997

Donald F. Miller
Vice-President

13.3 Miscellaneous Services (Cont'd)

13.3.5 IntraLATA Presubscription (Cont'd)

(B) Rules and Regulations (Cont'd)

Paragraph D below.

(C) IntraLATA Presubscription Customer Notices

The Telephone Company will notify customers that IntraLATA Presubscription is available no longer than thirty (30) days following the effective date of this tariff. The notice will contain a description of intraLATA toll presubscription, how to make an intraLATA toll presubscription carrier selection, a description of when and what charges apply related to the selection of an intraLATA toll carrier.

(D) IntraLATA Presubscription Charges

There will be no charge for a customer's initial intraLATA toll presubscription selection for a period beginning on the effective date of this tariff and ending no sooner than ninety (90) days following the mailing date of customer notification of intraLATA presubscription availability.

New local service customers will be asked to select a carrier(s) for their intraLATA toll and interLATA calls subject to presubscription at the time they place on order with the Telephone Company for local exchange service. If the new customer is unable to make a selection, at that time, the new customer will be read a random listing of all available intraLATA toll carriers to aid their selection. If the new customer is still unable to make a selection, at that time, the Telephone Company will inform the new customer that their intraLATA calling arrangements will be defaulted to their interLATA carrier.

Issued: May 1, 1997
Effective: June 28, 1997

Donald F. Miller
Vice-President

APPROVED

13.3 Miscellaneous Services (Cont'd)

13.3.5 IntraLATA Presubscription (Cont'd)

(D) IntraLATA Presubscription Charges (Cont'd)

After a customer's initial selection for a presubscribed intraLATA toll carrier, for any change thereafter, an IntraLATA Presubscription Change Charge (PIC), as set forth in Section 17.4.8. will apply.

(D)

13.4 Unauthorized PIC Change

If an IC requests a Primary Interexchange Carrier (PIC) change on behalf of a billed party (e.g., an end user or the designator of the PIC for a pay telephone), and the billed party subsequently denies requesting the change, and the IC is unable to substantiate the change with a letter of authorization signed by the bill party; then:

The billed party will be reassigned to their previously selected IC. No charge will apply to the billed party for this reassignment.

The Unauthorized Presubscription Change Charge as set forth in Section 17.4.4(J) will apply to the IC that requested the unauthorized PIC change. This charge is applied in addition to the PIC Change charge.

(D)
(N)

(N)

CONTENTS

Sheet

14. Exceptions to Access Service Offerings 14-1

14. Exceptions to Access Service Offerings

The services offered under the provisions of this tariff are subject to availability as set forth in 2.1.4 preceding. In addition, the following exceptions apply:

(Paragraphs 14.1 through 14.5 following are reserved for future listings as a result of a subsequent survey. In the meantime, in planning an end-to-end service, the customer should contact the Telephone Company in each customer designated premises city to assure itself that all of the service or service components required for a given customer service are currently available.)

- 14.1 The following service(s) is (are) not offered in the operating territory of listed Issuing Carriers.

(Reserved for future use.)

- 14.2 The following offering(s) is (are) limited to existing locations. No inside moves, rearrangements or additions will be permitted.

(Reserved for future use.)

- 14.3 The following offering(s) is (are) limited to existing locations. Inside moves or rearrangements may be undertaken. However, no additions will be permitted.

(Reserved for future use.)

- 14.4 The following offering(s) is (are) limited to existing locations where additional units may be added for growth. Inside moves or rearrangements may be undertaken.

(Reserved for future use.)

- 14.5 The following offering(s) is (are) limited to existing locations where additional units may be added for growth. However inside moves or rearrangements will not be permitted.

(Reserved for future use.)

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
15. <u>Access Service Interfaces and Transmission Specifications</u>	15-1
15.1 <u>Switched Access Service</u>	15-1
15.2 <u>Special Access Service</u>	15-24
15.3 <u>Directory Access Service</u>	15-56

15. Access Service Interfaces and Transmission Specifications

15.1 contains Switched Access Service Options (which are comprised of Interface Groups, Supervisory Signaling, Entry Switch Receive Level and Local Transport Termination) and Transmission Specifications. 15.2 describes Special Access Service Network Channel (NC) codes and Network Channel Interface (NCI) codes. 15.3 contains Interface Group, Premises Interface Code and Standard Transmission Specifications applicable to Directory Access Service.

15.1 Switched Access Service

Ten Interface Groups are provided for terminating the Local Transport Entrance Facility at the customer's designated premises. Each Interface Group provides a specified premises interface (e.g., two-wire, four-wire, DS1, etc.). Where transmission facilities permit, and at the option of the customer, the Entrance Facility may be provided with optional features as set forth in 15.1.1 following.

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer designated premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer designated premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer designated premises are digital, then Telephone Company channel bank equipment must be placed at the customer designated premises in order to provide the voice frequency interface ordered by the customer.

15.1.1 Local Transport Interface Groups

Interface Groups are combinations of technical parameters which describe the Telephone Company handoff at the point of termination at the customer designated premises. The technical specifications concerning the available interface groups are set forth in (A) through (D) following.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.1 Local Transport Interface Groups (Cont'd)

Interface Group 1 is provided with Type C Transmission Specifications, as set forth in 15.1.2(C) following, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, as set forth respectively in 15.1.2(E) and (F) following, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer designated premises. The premises interfaces associated with the Interface Groups may vary among Feature Groups.

(A) Interface Group 1

Interface Group 1, except as set forth in the following, provides two-wire voice frequency transmission at the point of termination at the customer designated premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.1 Local Transport Interface Groups (Cont'd)

(A) Interface Group 1 (Cont'd)

The transmission path between the point of termination at the customer designated premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(B) Interface Group 2

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer designated premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The transmission path between the point of termination at the customer designated premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.1 Local Transport Interface Groups (Cont'd)

(B) Interface Group 2 (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(C) Interface Groups 3 through 5

Interface Groups 3 through 5 provide analog transmission at the point of termination at the customer designated premises. The various interfaces are capable of transmitting electrical signals at the frequencies illustrated following, with the capability to channelize voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Groups are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex equipment to derive the transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interfaces are provided with individual transmission path SF supervisory signaling.

<u>Interface Group Identification No.</u>	<u>Transmission Frequency Bandwidth</u>	<u>Analog Hierarchy Level</u>	<u>Maximum No. of Channelized Voice Freq. Trans. Paths</u>
3	60 - 108 kHz	Group	12
4	312 - 552 kHz	Supergroup	60
5	564 - 3084 kHz	Mastergroup	600

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.1 Local Transport Interface Groups (Cont'd)

(D) Interface Groups 6 through 10

Interface Groups 6 through 10 provide digital transmission at the point of termination at the customer designated premises. The various interfaces are capable of transmitting electrical signals at the nominal bit rates illustrated following, with the capability to channelize voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, a DS1 signal(s) in D3/D4 format.

The interfaces are provided with individual transmission path bit stream supervisory signaling.

<u>Interface Group Identification No.</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Digital Hierarchy Level</u>	<u>Max. No. of Channelized Voice Freq. Trans. Paths</u>
6	1.544	DS1	24
7	3.152	DS1C	48
8	6.312	DS2	96
9	44.736	DS3	672
10	274.176	DS4	4032

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.1 Local Transport Interface Groups (Cont'd)

(E) Local Transport Optional Features

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following features in association with Local Transport. An Access Order Charge as specified in 17.4.1(A) following is applicable on a per order basis when nonchargeable optional features are added subsequent to the installation of service.

- Customer Specified Entry Switch Receive Level

Customer Specified Entry Switch Receive Level allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference TR-NPL-000334. This feature is available with Interface Groups 2 through 10 for Feature Groups A and B.

- Customer Specification of Local Transport Termination

Customer Specification of Local Transport Termination allows the customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Local Transport at the first point of switching in lieu of a Telephone Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications.

- Supervisory Signaling

Supervisory Signaling allows the customer to order an optional supervisory signaling arrangement for each transmission path provided where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.1 Local Transport Interface Groups (Cont'd)

(E) Local Transport Optional Features (Cont'd)

The Interface Groups, as described in (A) through (D) preceding, represent industry standard arrangements. Where transmission parameters permit, the customer may select the following optional signaling arrangements in place of the signaling arrangements standardly associated with the Interface Groups.

- For Interface Groups 1 and 2 associated with FGB, FGC or FGD
DX Supervisory Signaling,
E&M Type I Supervisory Signaling,
E&M Type II Supervisory Signaling, or
E&M Type III Supervisory Signaling
- For Interface Group 2 associated with FGB, FGC or FGD and in addition to the preceding
SF Supervisory Signaling, or
Tandem Supervisory Signaling
- For Interface Groups 3 through 5
Optional Supervisory Signaling Not Available
- For Interface Groups 6 through 10

These Interface Groups may, at the option of the customer, be provided with individual transmission path SF supervisory signaling where such signaling is available in Telephone Company central offices. Generally such signaling is available only where the first point of switching provides an analog (i.e., non-digital) interface to the transport termination.

These optional Supervisory Signaling arrangements not available in combination with the SS7 optional feature.

Additionally, in (F) following, there is a matrix of available Premises Interface Codes as a function of Interface Group, Telephone Company Switch Supervisory Signaling and Feature Group.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.1 Local Transport Interface Groups (Cont'd)

(F) Available Premises Interface Codes

Following is a matrix showing premises interface codes which are available for each Interface Group. Their availability is a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the Parameter Codes and Options as set forth in 15.2.2(A) following.

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>				
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	
1	LO	2LS2	X				
	LO	2LS3	X				
	GO	2GS2	X				
	GO	2GS3	X				
	LO, GO	2DX3	X				
	LO, GO	4EA3-E	X				
	LO, GO	4EA3-M	X				
	LO, GO	6EB3-E	X				
	LO, GO	6EB3-M	X				
	RV, EA, EB, EC	2DX3		X	X	X	
	RV, EA, EB, EC	4EA3-E		X	X	X	
	RV, EA, EB, EC	4EA3-M		X	X	X	
	RV, EA, EB, EC	6EB3-E		X	X	X	
	RV, EA, EB, EC	6EB3-M		X	X	X	
	EA, EB, EC	6EC3			X	X	
	RV	2RV3-0		X	X	X	
	RV	2RV3-T		X	X	X	
	SS7	2NO2			X	X	
	2	LO, GO	4SF2	X			
		LO, GO	4SF3	X			
LO		4LS2	X				
LO		4LS3	X				
LO		6LS2	X				
GO		4GS2	X				

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

NH P.U.C. - Telephone - No. 1 - Access
 The Chichester Telephone Company
 Kearsarge Telephone Company
 Meriden Telephone Company

Original Sheet 15-9

15.1 Switched Access Service (Cont'd)

15.1.1 Local Transport Interface Groups (Cont'd)

(F) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group				
			A	B	C	D	
2 (Cont'd)	GO	4GS3	X				
	GO	6GS2	X				
	LO, GO	4DX2	X				
	LO, GO	4DX3	X				
	LO, GO	6EA2-E	X				
	LO, GO	6EA2-M	X				
	LO, GO	8EB2-E	X				
	LO, GO	8EB2-M	X				
	LO, GO	6EX2-B	X				
	RV, EA, EB, EC	4SF2		X	X	X	
	RV, EA, EB, EC	4SF3		X			
	RV, EA, EB, EC	4DX2		X	X	X	
	RV, EA, EB, EC	4DX3		X			
	RV, EA, EB, EC	6DX2			X		
	RV, EA, EB, EC	6EA2-E		X	X	X	
	RV, EA, EB, EC	6EA2-M		X	X	X	
	RV, EA, EB, EC	8EB2-E		X	X	X	
	RV, EA, EB, EC	8EB2-M		X	X	X	
	EA, EB, EC	8EC2-M			X	X	
	RV	4RV2-O		X	X	X	
	RV	4RV2-T		X	X	X	
	RV	4RV3-O		X	X		
	RV	4RV3-T		X	X		
	SS7	4NO2			X	X	
	3	LO, GO	4AH5-B	X			
		RV, EA, EB, EC	4AH5-B		X	X	X
	4	SS7	4AH5-B			X	X
LO, GO		4AH6-C	X				
RV, EA, EB, EC		4AH6-C		X	X	X	
5	SS7	4AH6-C			X	X	
	LO, GO	4AH6-D	X				
	RV, EA, EB, EC	4AH6-D		X	X	X	
	SS7	4AH6-D			X	X	

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

NH P.U.C. - Telephone - No. 1 - Access
 The Chichester Telephone Company
 Kearsarge Telephone Company
 Meriden Telephone Company

Original Sheet 15-10

15.1 Switched Access Service (Cont'd)

15.1.1 Local Transport Interface Groups (Cont'd)

(F) Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company</u>		<u>Premises Interface Code</u>	<u>Feature Group</u>			
	<u>Switch</u>	<u>Supervisory Signaling</u>		<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
6		LO, GO	4DS9-15	X			
		LO, GO	4DS9-15L	X			
		RV, EA, EB, EC	4DS9-15		X	X	X
		RV, EA, EB, EC	4DS9-15L		X	X	X
		SS7	4DS9-15			X	X
7		LO, GO	4DS9-31	X			
		LO, GO	4DS9-31L	X			
		RV, EA, EB, EC	4DS9-31		X	X	X
		RV, EA, EB, EC	4DS9-31L		X	X	X
		SS7	4DS9-31			X	X
8		LO, GO	4DS0-63	X			
		LO, GO	4DS0-63L	X			
		RV, EA, EB, EC	4DS0-63		X	X	X
		RV, EA, EB, EC	4DS0-63L		X	X	X
		SS7	4DS0-63			X	X
9		LO, GO	4DS6-44	X			
		LO, GO	4DS6-44L	X			
		RV, EA, EB, EC	4DS6-44		X	X	X
		RV, EA, EB, EC	4DS6-44L		X	X	X
		SS7	4DS6-44			X	X
10		LO, GO	4DS6-27	X			
		LO, GO	4DS6-27L	X			
		RV, EA, EB, EC	4DS6-27		X	X	X
		RV, EA, EB, EC	4DS6-27L		X	X	X
		SS7	4DS6-27			X	X

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications

Descriptions of the transmission specifications available with each Feature Group as a function of the Interface Group selected by the customer, are set forth in (A) through (D) following. Descriptions of each of these Standard Transmission Specifications and the two Data Transmission Parameters mentioned are set forth respectively in (E) through (G) and 15.1.3(A) and (B) following:

(A) Feature Group A

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

(B) Feature Group B

FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications (Cont'd)

(C) Feature Group C

FGC is provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 10, whether routed directly to an end office or to an access tandem.

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer designated premises and the end office when directly routed to the end office, and between the customer designated premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications (Cont'd)

(D) Feature Group D

FGD is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed to the end office either Type B or C is provided.
- When routed to an access tandem only Type A is provided.
- Type A is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1. Type A and Type B Transmission Specifications are provided with Interface Groups 2 through 10.

Type DB Data Transmission Parameters are provided with FGD for the transmission path between the customer designated premises and the end office when directly routed to the end office. Type DA Data Transmission Parameters are provided for the transmission path between the customer designated premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

(E) Type A Transmission Specifications

Type A Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.0 dB.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 15-14

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications (Cont'd)

(E) Type A Transmission Specifications (Cont'd)

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -1.0 dB to +3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	32 dBmCO
51 to 100	34 dBmCO
101 to 200	37 dBmCO
201 to 400	40 dBmCO
401 to 1000	42 dBmCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBmCO.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications (Cont'd)

(E) Type A Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	21 dB	14 dB
POT to End Office		
- Direct	N/A	N/A
- Via Access Tandem	16 dB	11 dB

(6) Standard Return Loss

Standard Return Loss expressed as Echo Return Loss and Singing Return Loss on two-wire ports of a four-wire point of termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications (Cont'd)

(F) Type B Transmission Specifications

Type B Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B1</u>	<u>Type B2</u>
less than 50	32 dBmCO	35 dBmCO
51 to 100	33 dBmCO	37 dBmCO
101 to 200	35 dBmCO	40 dBmCO
201 to 400	37 dBmCO	43 dBmCO
401 to 1000	39 dBmCO	45 dBmCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBmCO.

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference TR-NPL-000334.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications (Cont'd)

(F) Type B Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are greater than or equal to the following:

	Echo Return Loss	Singing Return Loss
POT to Access Tandem		
- Terminated in 4-Wire trunk	21 dB	14 dB
- Terminated in 2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB
- Via Access Tandem		
. For FGB access	8 dB	4 dB
. For FGC access (Effective 4-Wire trans- mission path at end office)	16 dB	11 dB
. For FGC access (Effective 2-Wire trans- mission path at end office)	13 dB	6 dB

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications (Cont'd)

(F) Type B Transmission Specifications (Cont'd)

(6) Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

(G) Type C Transmission Specifications

Type C Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications (Cont'd)

(G) Type C Transmission Specifications (Cont'd)

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type C1</u>	<u>Type C2</u>
less than 50	32 dBmCO	38 dBmCO
51 to 100	33 dBmCO	39 dBmCO
101 to 200	35 dBmCO	41 dBmCO
201 to 400	37 dBmCO	43 dBmCO
401 to 1000	39 dBmCO	45 dBmCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBmCO.

* For Feature Groups C and D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference TR-NPL-000334.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.2 Standard Transmission Specifications (Cont'd)

(G) Type C Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

	Echo Return Loss	Singing Return Loss
POT to Access Tandem	13 dB	6 dB
POT to End Office		
- Direct	13 dB	6 dB
- Via Access Tandem (for FGB only)	8 dB	4 dB

15.1.3 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Feature Group arrangements. Type DB is provided with Feature Groups A, B and C and also with Feature Group D when Feature Group D is directly routed to the end office. Type DA is only provided with Feature Group D and only when routed via an access tandem. Following are descriptions of each.

(A) Data Transmission Parameters Type DA

(1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.3 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

- less than 50 route miles 500 microseconds
- equal to or greater than
50 route miles 900 microseconds

1004 to 2404 Hz

- less than 50 route miles 200 microseconds
- equal to or greater than
50 route miles 400 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dBmCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	33 dB
Third Order (R3)	37 dB

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.3 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 50 peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

(B) Data Transmission Parameters Type DB

(1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 30 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

		<u>604 to 2804 Hz</u>	
-	less than 50 route miles	800	microseconds
-	equal to or greater than 50 route miles	1000	microseconds

		<u>1004 to 2404 Hz</u>	
-	less than 50 route miles	320	microseconds
-	equal to or greater than 50 route miles	500	microseconds

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.1 Switched Access Service (Cont'd)

15.1.3 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB (Cont'd)

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBmCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7° peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service

This section explains and lists the codes that the customer must specify when ordering Special Access Service. These codes provide a standardized means to relate the services being ordered to Special Access Service offerings contained in Section 7. preceding. When ordering, the type of Special Access Service is described by two code sets, the Network Channel (NC) code and the Network Channel Interface (NCI) codes.

The Network Channel (NC) code consists of two elements. Element one is a Channel Service Code (character positions 1 and 2) that describes the channel service type in an abbreviated form. Element two is an Optional Feature Code (character positions 3 and 4) that identifies option codes available for each channel service code, such as C-conditioning or Improved Return Loss. The Network Channel Interface (NCI) is used to identify interface specifications associated with a particular channel. This code describes the total wires, protocol, impedance, protocol options and transmission level point(s) reflecting physical and electrical characteristics between the Telephone Company and the customer.

On the following 3 pages are examples which explain the specific characters of the codes and which reference matrices and charts used in developing the codes. Included in the matrices are Service Designator (SD) codes which are used to identify variations of service within service types (e.g., TG1 = Telegraph). The SD and NC codes are displayed as components of the matrices designated as Technical Specifications packages in (A) through (G) following. Through the use of these matrices, SD codes may be converted to NC codes for service ordering purposes.

A chart is also provided in 15.2.2(A) following which contains information necessary to develop NCI codes.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

Comprehensive lists of allowed Network Channel (NC) and Network Channel Interface (NCI) codes are contained in Special Report SR-ST5-000307. However, not all services contained in this Special Report may be offered by the Telephone Company at this time.

Lastly, 15.2.2(C) following provides a list of compatible Network Channel Interfaces inasmuch as the Network Channel Interfaces associated with a given service need not always be the same, but all must be compatible.

Example No. 1: If the customer wishes to order a 4-wire voice grade circuit with 600 Ohms impedance, capable of data transmission, and with improved return loss, the customer might specify the following:

<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
LG-R	04DB2	04DA2-S

NC Code:

LG = Voice Grade Channel Service, VG6
-R = Improved Return Loss

NCI Code:

04 = Number of physical wires at CDP
DB = Data stream in VF frequency band at the customer designated main terminal location
2 = 600 Ohms impedance

SECNCI (Secondary NCI Code):

04 = Number of physical wires at CDP
DA = Data stream in VG frequency at the customer designated secondary terminal location
2 = 600 Ohms impedance
S = Sealing current option for 4-wire transmission

In the above example the NCI (Network Channel Interface) code is the interface requested at the customer's POT (Point of Termination) and the SECNCI (Secondary Network Channel Interface) code represents the interface at the end office serving the End User.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

Example No. 2: If the customer wishes to order a FX circuit to a station, with 600 Ohms impedance, loop start signaling, which is 4-wire at the CDP and 2-wire at the end-user, the customer might specify:

<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
LC--	04LO2	02LS2

NC Code:

LC = Voice Grade Channel Service, VG2
-- = No Optional Features

NCI Code:

04 = Number of physical wires at CDP
LO = Loop start, loop signaling - open end
2 = 600 Ohms impedance

SECNCI (Secondary NCI Code):

02 = Number of physical wires at CDP
LS = Loop start signaling - closed end
2 = 600 Ohms impedance

Example No. 3: If the customer wishes to order a 1.544 Mbps Hi-cap facility with no channel options such as CO multiplexing, the customer might specify the following:

<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
HC--	04DS9-15	04DS9-15

NC Code:

HC = High Capacity Channel Service, HC1
-- = No Optional Features

NCI, SECNCI Code:

04 = Number of physical wires at CDP
DS = Digital hierarchy interface
9 = 100 Ohms impedance
15 = 1.544 Mbps (DS1) format

The preceding three examples use information contained in Special Report SR-ST5-000307.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes

In order to determine the NC code appropriate for the service to be ordered, the type of Special Access Service the customer wishes must be identified. This identification is accomplished by a Service Designator (SD) code. The broad categories of Service Designator codes (e.g., VG, MT, TG, etc.) are set forth in Section 7. preceding. Variations within service type (e.g., VG1, MTC, TG2, etc.) are described in the various Technical Publications cited in (A) through (G) following.

Having determined the specific service type to be ordered and its SD code, and having used the appropriate Technical Publication, the customer should match the SD code to the NC code using the following matrices. Once the NC code has been determined, the Network Channel Interface (NCI) code may be developed using the information set forth in 15.2.2 following and the guidelines concerning specific parameters available for each service type as set forth in the specified Technical Publication.

(A) Technical Specifications Packages Metallic Service

SD Code NC Code	Package			
	MTC*	MT1	MT2	MT3
Parameter	MQ	NI	NU	NV
DC Resistance				
Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X
<u>Optional Features and Functions</u>				
Three Premises Bridging	X	X		X
Series Bridging	X		X	

* The technical specifications are described in Technical Reference TR-NPL-000336. All parameters are available within ranges selected by the customer where technically feasible.

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(B) Technical Specifications Packages Telegraph Grade Service

	<u>Package</u>			
	<u>SD Code</u>	<u>TGC*</u>	<u>TG1</u>	<u>TG2</u>
<u>NC Code</u>	<u>NQ</u>	<u>NW</u>	<u>NY</u>	
<u>Parameter</u>				
Telegraph Distortion	X	X	X	
<u>Optional Features</u> <u>and Functions</u>				
Telegraph Bridging	X	X	X	

The technical specifications are described in Technical Reference TR-NPL-000336.

* * All parameters are available within ranges selected by the customer where technically feasible.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(C) Technical Specifications Packages Voice Grade Service

SD Code NC Code	Package VG-													W SE
	C*	1	2	3	4	5	6	7	8	9	10	11	12	
	LQ	LB	LC	LD	LE	LF	LG	LH	LJ	LK	LN	LP	LR	
Parameter														
Attenuation Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X			X	X	X
Envelope Delay														
Distortion	X						X	X	X	X	X	X	X	X
Frequency Shift	X						X	X	X	X	X	X	X	X
Impulse Noise	X					X	X	X	X	X	X	X	X	X
Intermodulation														
Distortion	X						X	X	X	X	X	X		X
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain														
Hits, and Dropouts	X													
Phase Jitter	X						X	X	X	X	X	X		X
Signal-to-C														
Message Noise					X									
Signal-to-C														
Notch Noise	X					X	X	X	X	X	X	X	X	X

The technical specifications for these parameters (except for dropouts, phase hits, and gain hits) are described in Technical References TR-NPL-000334 and TR-TSY-000335. The technical specifications for dropouts, phase hits, and gain hits are described in Technical Reference PUB 41004, Table 4.

* The desired parameters are selected by the customer from the list of available parameters.

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(C) Technical Specifications Packages Voice Grade Service (Cont'd)

SD Code NC Code	Package VG-												W SE	
	C*	1	2	3	4	5	6	7	8	9	10	11		12
	LQ	LB	LC	LD	LE	LF	LG	LH	LI	LK	LN	LP	LR	
<u>Optional Features and Functions</u>														
Central Office Bridging Capability	X		X			X	X				X	X	X	
Central Office Multiplexing	X						X							
Conditioning:														
. C-Type	X					X	X	X	X	X	X			
. Improved Attenuation Distortion	X					X	X	X	X	X	X			
. Improved Envelope Delay Distortion	X					X	X	X	X	X	X			
. Sealing Current	X						X							
. Data Capability	X						X	X			X			
. Telephoto Capability	X												X	
Customer Specified Premises Receive Level	X		X	X				X	X	X				
Improved Return Loss for Effective Four-Wire Transmission	X	X	X	X	X	X	X	X	X	X	X	X	X	X
For Effective Two-Wire Transmission	X		X	X				X						
Improved Two-Wire Voice Transmission														X
PPSN Interface Arrangement	X										X			
Selective Signaling Arrangement	X		X			X	X				X	X	X	
Signaling Capability	X	X	X	X				X	X	X				
Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(D) Technical Specifications Packages Program Audio Service

Parameter	SD Code NC Code	Package				
		<u>APC*</u> <u>PQ</u>	<u>AP1</u> <u>PE</u>	<u>AP2</u> <u>PF</u>	<u>AP3</u> <u>PJ</u>	<u>AP4</u> <u>PK</u>
Actual Measured Loss		X	X	X	X	X
Amplitude Tracking		X				
Crosstalk		X	X	X	X	X
Distortion Tracking		X				
Gain/Frequency						
Distortion		X	X	X	X	X
Group Delay		X				
Noise		X	X	X	X	X
Phrase Tracking		X				
Short-Term Gain						
Stability		X				
Short-Term Loss		X				
Total Distortion		X	X	X	X	X
<u>Optional Features and Functions</u>						
Central Office Bridging						
Capability		X	X	X	X	X
Gain Conditioning		X	X	X	X	X
Stereo		X				X

The technical specifications are described in Technical Reference TR-NPL-000337 and associated Addendum.

* The desired parameters are selected by the customer from the list of available parameters.

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

NH P.U.C. - Telephone - No. 1 - Access
 The Chichester Telephone Company
 Kearsarge Telephone Company
 Meriden Telephone Company

Original Sheet 15-32

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(E) Technical Specifications Packages Video Service

	SD Code NC Code	Package		
		TVC* TQ	TV1 TY	TV2 TW
<u>Video Parameters</u>				
Insertion Gain		X	X	X
Field-Time Distortion		X	X	X
Line-Time Distortion		X	X	X
Short-Time Distortion		X	X	X
Chrominance-Luminance Gain Inequality		X	X	X
Chrominance-Luminance Delay Inequality		X	X	X
Amplitude/Frequency Characteristic		X	X	X
Luminance Non-Linear Distortion		X	X	X
Chrominance Non-Linear Gain Distortion		X	X	X
Chrominance Non-Linear Phase Distortion		X	X	X
Transient Synchronizing Signal Non-Linearty		X	X	X
Dynamic Gain Distortion				
- Picture Signal		X	X	X
- Synchronizing Signal		X	X	X
Differential Gain		X	X	X
Differential Phase		X	X	X
Chrominance-Luminance Intermodulation		X	X	X

* The desired parameters are selected by the customer from the list of available parameters.

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 15-33

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(E) Technical Specifications Packages Video Service (Cont'd)

	SD Code	<u>TVC*</u>	<u>TV1</u>	<u>Package</u> <u>TV2</u>
	NC Code	<u>TQ</u>	<u>TV</u>	<u>TW</u>
<u>Audio Channel Parameters</u> <u>Associated with Video Service</u>				
Insertion Gain		X	X	X
Amplitude/Frequency Characteristic		X	X	X
Total Harmonic Distortion & Noise		X	X	X
Maximum Steady-State Test Levels		X	X	X
Gain Differential Between Channels		X	X	
Phase Differential Between Channels		X	X	
Crosstalk		X	X	X
Audio-To-Video Time Differential		X	X	X

The technical specifications are described in Technical Reference TR-NPL-000338.

* The desired parameters are selected by the customer from the list of available parameters.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(F) Technical Specifications Packages Digital Data Service

	<u>Package</u>						
	<u>SD Code</u>	<u>D1</u>	<u>D2</u>	<u>D3</u>	<u>D4</u>	<u>D5</u>	<u>D6</u>
<u>NC Code</u>	<u>XA</u>	<u>XB</u>	<u>XG</u>	<u>XH</u>	<u>XE</u>	<u>YN</u>	
<u>Parameter</u>							
Error-Free Seconds		X	X	X	X	X	X
<u>Optional Features and Functions</u>							
<u>Central Office</u>							
Bridging Capability		X	X	X	X	X	X
<u>PPSN Interface Transfer Arrangement</u>							
Transfer Arrangement		X	X	X	X	X	X

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds (if provided through a Digital Data hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference TR-NWT-000341.

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.1 Network Channel (NC) Codes (Cont'd)

(G) Technical Specifications Packages High Capacity Service

	SD Code	<u>Package</u>					
		HC0	HC1	HC1C	HC2	HC3	HC4
	NC Code	HS	HC	HD	HE	HF	HG
<u>Parameters</u>							
Error-Free Seconds			X				
<u>Optional Features and Functions</u>							
Automatic Loop Transfer					X		
Central Office Multiplexing:							
DS4 to DS1							X
DS3 to DS1						X	
DS2 to DS1					X		
DS1C to DS1				X			
DS1 to Voice			X				
DS1 to DS0			X				
DS0 to Subrate*	X						
Transfer Arrangement			X				
Clear Channel Capability			X				

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

* Available only on a channel of 1.544 Mbps facility to a Telephone Company Hub.

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 15-36

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes

The electrical interface with the Telephone Company for Special Access Services, is defined by an interface code. There are interface codes for both the customer designated premises and the point of termination. Three examples of NCI codes are found in 15.2 preceding.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(A) Parameter Codes and Options

Parameter

Code Option

Definition

AB -		accepts 20 Hz ringing signal at customer's point of termination
AC -		accepts 20 Hz ringing signal at customer's end user's point of termination
AH -		analog high capacity interface
-	B	60 kHz to 108 kHz (12 channels)
-	C	312 kHz to 552 kHz (60 channels)
-	D	564 kHz to 3084 kHz (600 channels)
CT -		Centrex Tie Trunk Termination
CS -		digital hierarchy interface at Digital Cross Connect System (DCS)
-	15	1.544 Mbps (DS1) ANSI Extended Superframe (ESF) Format and B8ZS Clear Channel Capability
-	15A	1.544 Mbps (DS1) Superframe (SF) format(T)
-	15B	1.544 Mbps (DS1) Superframe (SF) format and B8ZS Clear Channel Capability
-	15K	1.544 Mbps (DS1) Extended Superframe (ESF)
DA -		data stream in VF frequency band at customer's end user's point of termination
DB -		data stream in VF frequency band at customer's point of termination
-	10	VF for TG1 and TG2
-	43	VF for 43 Telegraph Carrier type signals, TG1 and TG2
DC -		direct current or voltage
-	1	monitoring interface with series RC combination (McCulloh format)
-	2	Telephone Company energized alarm channel
-	3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)
DD -		DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination
DE -		DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(A) Parameter Codes and Options (Cont'd)

Parameter (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DS	-	digital hierarchy interface
- 15		1.544 Mbps (DS1) format per PUB 62411 plus D4
- 15E		8-bit PCM encoded in one 64 kbps of the DS1 signal
- 15F		8-bit PCM encoded in two 64 kbps of the DS1 signal
- 15G		8-bit PCM encoded in three 64 kbps of the DS1 signal
- 15H		14/11-bit PCM encoded in six 64 kbps of the DS1 signal
- 15J		1.544 Mbps format per PUB 62411
- 15K		1.544 Mbps format per PUB 62411 plus extended framing format
- 15L		1.544 Mbps (DS1) with SF signaling
- 27		274.176 Mbps (DS4)
- 27L		274.176 Mbps (DS4) with SF signaling
- 31		3.152 Mbps (DS1C)
- 31L		3.152 Mbps (DS1C) with SF signaling
- 44		44.736 Mbps (DS3)
- 44L		44.736 Mbps (DS3) with SF signaling
- 63		6.312 Mbps (DS2)
- 63L		6.312 Mbps (DS2) with SF signaling
DU	-	digital access interface
- 24		2.4 kbps
- 48		4.8 kbps
- 19		19.2 kbps
- 56		56.0 kbps
- 96		9.6 kbps
- 64		64.0 kbps
- A		1.544 Mbps format per PUB 62411
- B		1.544 Mbps format per PUB 62411 plus D4
- C		1.544 Mbps format per PUB 62411 plus extended framing format
- 1KN		1.544 Mbps ANSI Extended Superframe (ESF) Format without line power
- 1SN		1.544 Mbps ANSI Extended Superframe (ESF) Format with B8ZS Clear Channel Capability and without line power
- AN		1.544 Mbps free-framing format without line power (only avail. to U.S. Govt. agencies)
- BN		1.544 Mbps Superframe (SF) Format without line power
- DN		1.544 Mbps Superframe (SF) Format with B8ZS Clear Channel Capability without line power
DX	-	duplex signaling interface at customer's point of termination
DY	-	duplex signaling interface at customer's end user's point of termination

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(A) Parameter Codes and Options (Cont'd)

Parameter (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
EA	- E	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EA	- M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EB	- E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.
EB	- M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.
EC	-	Type III E&M signaling at customer POT
EX	- A	tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions.
EX	- B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.
GO	-	ground start loop signaling - open end function by customer or customer's end user
GS	-	ground start loop signaling - closed end function by customer or customer's end user
IA	-	E.I.A. (25 pin RS-232)
LA	-	end user loop start loop signaling - Type A OPS registered port open end
LB	-	end user loop start loop signaling - Type B OPS registered port open end
LC	-	end user loop start loop signaling - Type C OPS registered port open end
LO	-	loop start loop signaling - open end function by customer or customer's end user
LR	-	20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR
LS	-	loop start loop signaling - closed end function by customer or customer's end user
NO	-	no signaling interface, transmission only

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(A) Parameter Codes and Options (Cont'd)

Parameter (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
PG	-	program transmission - no dc signaling
	- 1	nominal frequency from 50 to 15000 Hz
	- 3	nominal frequency from 200 to 3500 Hz
	- 5	nominal frequency from 100 to 5000 Hz
	- 8	nominal frequency from 50 to 8000 Hz
PR	-	protective relaying*
RV	- 0	reverse battery signaling, one way operation, originate by customer
	- T	reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF	-	single frequency signaling with VF band at either customer POT or customer's end user POT
TF	-	telephotograph interface
TT	-	telegraph/teletypewriter interface at either customer POT or customer's end user POT
	- 2	20.0 milliamperes
	- 3	3.0 milliamperes
	- 6	62.5 milliamperes
TV	-	television interface
	- 1	combined (diplexed) video and one audio signal
	- 2	combined (diplexed) video and two audio signals
	- 5	video plus one (or two) audio 5 kHz signal(s) or one (or two) two wire
	- 15	video plus one (or two) audio 15 kHz signal(s)

* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 15-41

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(B) Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3+
135	5
75	6
124	7
Variable	8
100	9

+ For those interface codes with a 4-wire transmission path at the customer designated POT, rather than a standard 900 ohm impedance the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket No. 20099 Settlement Agreement.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces

The following tables show the Network Channel Interface codes (NCIs) which are compatible:

(1) Metallic

<u>Compatible CIs</u>	
2DC8-1	2DC8-2
2DC8-3	2DC8-3
4DS8-	2DC8-1
4DS8-	2DC8-2

(2) Telegraph Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
2DB2-10	10IA8	4DB2-10	10IA8
	2TT2-2		2TT2-2
	4TT2-2		4TT2-2
2DB2-43*	10IA8	4DB2-43*	10IA8
	2TT2-2		2TT2-6
	2TT2-6		4TT2-2
	4TT2-2		
		4DS8-	10IA8
2TT2-2	2TT2-2		2TT2-2
			2TT2-6
2TT2-3	2TT2-2		4TT2-2
	4TT2-2		4TT2-6
2TT2-6	2TT2-6	4TT2-2	4TT2-2
	4TT2-6		
		4TT2-6	2TT2-6

* Supplemental Channel Assignment information required.

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
2AB2	2AC2	2DB2	2DA2	2LR2	2LR2
2AB3	2AC2	2DB3	2DA2	2LR3	2LR2
2CT3	2DY2	2DX3	2LA2	2LS	2GS
	4DS8		2LB2		2LS
	4DX2		2LC2		4GS
	4DX3		2LO3		4LS
	4DY2		2LS2		
	4EA2-E		2LS3	2LS2	2LA2
	4EA2-M				2LB2
	4SF2	2GO2	2GS2		2LC2
	4SF3		2GS3		
	6DX2			2LS3	2LA2
	6DY2	2GO3	2GS2		2LB2
	6DY3		2GS3		2LC2
	6EA2-E				
	6EA2-M	2GS	2GS	2NO2	2DA2
	6EB2-E		2LS		2NO2
	6EB2-M		4GS		
	6EB3-E		4LS	2NO3	2NO2
	8EB2-E				2PR2
	8EB2-M	2L02	2LS2		
	8EC2		2LS3	2TF3	2TF2
	9DY2				
	9DY3	2L03	2LS2		
	9EA2		2LS3		
	9EA3				

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

NH P.U.C. - Telephone - No. 1 - Access
 The Chichester Telephone Company
 Kearsarge Telephone Company
 Meriden Telephone Company

Original Sheet 15-44

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade (Cont'd)

Compatible CIs

Compatible CIs

Compatible CIs

4AB2 2AC2
 4AB2
 4AC2
 4SF2
 4AB3 2AC2
 4AC2
 4SF2
 4AC2 2AC2
 4AC2

4DS8- 2AC2
 2DA2
 2DY2
 2GO2
 2GO3
 2GS2
 2GS3
 2LA2
 2LB2
 2LC2
 2LO2
 2LO3
 2LR2
 2LS2
 2LS3
 2NO2
 2PR2
 2RV2-T
 2TF2
 4AC2
 4DA2
 4DE2
 4DX2
 4DX3
 4DY2
 4EA2-E
 4EA2-M

4DS8- 4DG2
 4LR2
 4LS2
 4NO2
 4PR2
 4RV2-T
 4SF2
 4SF3
 4TF2
 6DA2
 6DY2
 6DY3
 6EA2-E
 6EA2-M
 6EB2-E
 6EB2-M
 6GS2
 6LS2
 8EB2-E
 8EB2-M
 9DY2
 9DY3
 9EA2
 9EA3

4DA2 4DA2
 4DB2 2DA2
 2NO2
 2PR2
 4DA2
 4DB2
 4NO2
 4PR2
 6DA2
 4DD3 2DE2
 4DE2

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DX2	2DY2	4DX2	8EB2-E	4DX3	6DY2
	2LA2		8EB2-M		6DY3
	2LB2		9DY2		6EA2-E
	2LC2		9DY3		6EA2-M
	2LO3		9EA2		6EB2-E
	2LS2		9EA3		6EB2-M
	2LS3				6LS2
	2RV2-T	4DX3	2DY2		8EB2-E
	4DX2		2LA2		8EB2-M
	4DY2		2LB2		9DY2
	4EA2-E		2LC2		9DY3
	4EA2-M		2LO3		9EA2
	4LS2		2LS2		9EA3
	4RV2-T		2LS3		
	4SF2		2RV2-T	4DY2	2DY2
	4SF3		4DX2		4DY2
	6DY2		4DX3		
	6DY3		4DY2		
	6EA2-E		4EA2-E		
	6EA2-M		4EA2-M		
	6EB2-E		4LS2		
	6EB2-M		4RV2-T		
	6LS2		4SF2		
			4SF3		

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

NH P.U.C. - Telephone - No. 1 - Access
 The Chichester Telephone Company
 Kearsarge Telephone Company
 Meriden Telephone Company

Original Sheet 15-46

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4EA2-E	2DY2	4EA3-E	2DY2	4GO2	2GO2
	4DY2		4DY2		2GO3
	4EA2-E		4EA2-E		2GS2
	4EA2-M		4EA2-M		2GS3
	4SF2		4SF2		4GS2
	6DY2		6DY2		4SF2
	6DY3		6DY3		6GS2
	6EB2-E		6EA2-E		
	6EB2-M		6EA2-M	4GO3	2GO2
	8EB2-E		6EB2-E		2GS2
	8EB2-M		6EB2-M		2GS3
	9DY2		8EB2-E		4GS2
	9DY3		8EB2-M		4SF2
			9DY2		6GS2
4EA2-M	2DY2		9DY3		
	4DY2		9EA2		
	4EA2-M		9EA3	4GS	2GS
	4SF2				2LS
	6DY2				4GS
	6DY3				4LS
	6EB2-E				
	6EB2-M				
	8EB2-E				
	8EB2-M				
	9DY2				
	9DY3				

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4LO2	2LS2	4LS3	2LA2	4SF2	2LO3
	2LS3		2LB2		2LR2
	4LS2		2LC2		2LS2
	4SF2		2LO2		2LS3
	6LS2		2LO3		2RV2-T
			4SF2		4AC2
4LO3	2LS2				4DY2
	2LS3	4NO2	2DA2		4LS2
	4LS2		2DE2		4RV2-T
	4SF2		2NO2		4SF2
	6LS2		4DA2		6DY2
			4DE2		6DY3
4LR2	2LR2		4NO2		6GS2
	4LR2		6DA2		9DY2
	4SF2				9DY3
		4RV2-0	2RV2-T		
4LR3	2LR2		4RV2-T	4SF3	2DY2
	4LR2		4SF2		2GO3
	4SF2				2GS2
					2GS3
4LS	2GS	4SF2	2AC2		2LA2
	2LS		2DY2		2LB2
	4GS		2GS2		2LC2
	4LS		2GS3		2LO3
			2LA2		2LR2
4LS2	2LA2		2LB2		
	2LB2		2LC2		
	2LC2				
	2LO2				
	2LO3				

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4SF3	2LS2	6DA	4DA2	6DY3	2DY2
	2LS3		6DA2		4DY2
	2RV2-T				6DY2
	4DY2	6DX2	2DY2		6DY3
	4EA2-E		4DY2		
	4EA2-M		4EA2-E	6EA2-E	2AC2
	4GS2				
	4LR2		4EA2-M		2DY2
	4LS2		4SF2		2LA2
	4RV2-T		6DY2		2LB2
	4SF2		6DY3		2LC2
	4SF3		6EA2-E		2LO3
	6DY2		6EA2-M		2LS2
	6DY3		6EB2-E		2LS3
	6EB2-E		6EB2-M		2RV2-T
	6EB2-M		8EB2-E		4AC2
	6GS2		8EB2-M		4DY2
	6LS2		9DY2		4EA2-E
	9DY2		9DY3		4EA2-M
	9DY3		9EA2		4LS2
	9EA2		9EA3		4RV2-T
	9EA3				4SF2
		6DY2	2DY2		4SF3
4TF2	2TF2		4DY2		6DY2
	4TF2		6DY2		6DY3
					6EA2-E
					6EA2-M

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
6EA2-E	6EB2-E	6EA2-M	6DY2	6EB3-E	2DY2
	6EB2-M		6DY3		4DY2
	6LS2		6EA2-M		4EA2-E
	8EB2-E		6EB2-E		4EA2-M
	8EB2-M		6EB2-M		4SF2
	9DY2		6LS2		6DY2
	9DY3		8EB2-E		6DY3
			8EB2-M		6EA2-E
6EA2-M	2AC2		9DY2		6EA2-M
	2DY2		9DY3		8EB2-E
	2LA2				8EB2-M
	2LB2	6EB2-E	2DY2		9DY2
	2LC2		4DY2		9DY3
	2LO3		4SF2		9EA2
	2LS2		6DY2		9EA3
	2LS3		6DY3		
	2RV2-T		6EB2-E	6EX2-A	2GS2
	4AC2		6EB2-M		2GS3
	4DY2		9DY2		2LS2
	4EA2-E		9DY3		2LS3
	4EA2-M				4GS2
	4LS2	6EB2-M	2DY2		4LS2
	4RV2-T		4DY2		4SF2
	4SF2		4SF2		6GS2
	4SF3		6DY2		6LS2
			6DY3		
			6EB2-M		
			9DY2		
			9DY3		

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade (Cont'd)

	<u>Compatible CIs</u>	<u>Compatible CIs</u>	<u>Compatible CIs</u>
	6EX2-B 2GO3	8EB2-E 2AC2	8EB2-M 2AC2
	2LA2	2DY2	2DY2
	2LB2	2LA2	2LA2
	2LC2	2LB2	2LB2
	2LO2	2LC2	2LC2
	2LO3	2LO3	2LO3
	2LR2	2LS2	2LS2
	4LR2	2LS3	2LS3
	4SF2	2RV2-T	2RV2-T
		4AC2	4AC2
	6GO2 2GO2	4DY2	4DY2
	2GS2	4LS2	4LS2
	2GS3	4RV2-T	4RV2-T
	4GS2	4SF2	4SF2
	4SF2	4SF3	4SF3
	6GS2	6DY2	6DY2
		6DY3	6DY3
	6LO2 2LS2	6EB2-E	6EB2-E
	2LS3	6EB2-M	6EB2-M
	4LS2	6LS2	6LS2
	4SF2	8EB2-E	8EB2-M
	6LS2	8EB2-M	9DY2
		9DY2	9DY3
	6LS2 2LA2	9DY3	
	2LB2		
	2LC2		
	2LO2		
	2LO3		
	4SF2		

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

NH P.U.C. - Telephone - No. 1 - Access
 The Chichester Telephone Company
 Kearsarge Telephone Company
 Meriden Telephone Company

Original Sheet 15-51

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(3) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
8EC2	2DY2	9DY2	2DY2	9EA3	2DY2
	4DY2		4DY2		4DY2
	4EA2-E		6DY2		4EA2-E
	4EA2-M		6DY3		4EA2-M
	4SF2		9DY2		6DY2
	6DY2				6DY3
	6DY3	9DY3	2DY2		6EA2-E
	6EA2-E		4DY2		6EA2-M
	6EA2-M		6DY2		6EB2-E
	6EB2-E		6DY3		6EB2-M
	6EB2-M		9DY2		8EB2-E
	8EB2-E		9DY3		8EB2-M
	8EB2-M				9DY2
	9DY2	9EA2	2DY2		9DY3
	9DY3		4DY2		9EA3
	9EA2		4EA2-E		
	9EA3		4EA2-M		
			6DY2		
			6DY3		
			6EA2-E		
			6EA2-M		
			6EB2-E		
			6EB2-M		
			8EB2-E		
			8EB2-M		
			9DY2		
			9DY3		
			9EA2		
			9EA3		

Issued: September 10, 1995
 Effective: October 11, 1995

John Van Vught
 Treasurer

1

2

3

4

5

)

)

.....

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 15-52

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(4) RESERVED FOR FUTURE USE

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 15-53

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(5) RESERVED FOR FUTURE USE

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 15-54

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(6) Digital Data

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DS8-15	4DS8-15+ 4DU5-24	4DU5-24	4DU5-24	6DU5-24	6DU5-24
	4DU5-48	4DU5-48	4DU5-48	6DU5-48	6DU5-48
	4DU5-56				
	4DU5-96	4DU5-96	4DU5-96	6DU5-56	6DU5-56
	6DU5-24				
	6DU5-48	4DU8-56	4DU5-56	6DU5-96	6DU5-96
	6DU5-96				

+ Available only as a cross connect of two digital channels at appropriate digital speeds at a Telephone Company hub.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

15.2 Special Access Service (Cont'd)

15.2.2 Network Channel Interface (NCI) Codes (Cont'd)

(C) Compatible Network Channel Interfaces (Cont'd)

(7) High Capacity

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DS0-63	4DS0-63 4DU8-A,B or C 6DU8-A,B or C	4DS8-15J	4DU8-A 6DU8-A
4DS6-27	4DS6-27 4DU8-A,B or C 6DU8-A,B or C	4DS8-15K	4DU8-B 4DU8-C 6DU8-B 6DU8-C
4DS6-44	4DS6-44 4DU8-A,B or C 6DU8-A,B or C	4DS8-31	4DS8-31 4DU8-A,B or C 6DU8-A,B or C
4DS8-15	4DS8-15+ 4DU8-B 6DU8-8	4DU8-A,B or C	4DU8-A,B or C

+ Available only as a cross connect of two individual channels of 1.544 Mbps facilities at a Telephone Company hub.

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 15-56

15.3 RESERVED FOR FUTURE USE

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 15-57

15.3 RESERVED FOR FUTURE USE

Issued: September 10, 1995
Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Section - 16

CONTENTS

Sheet

16.	<u>RESERVED FOR FUTURE USE</u>	16-1
-----	--------------------------------------	------

NH P.U.C. - Telephone - Access - No. 1
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 16-1

16. RESERVED FOR FUTURE USE

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

CONTENTS

	<u>Sheet</u>
17. <u>Rates and Charges</u>	17-1
17.1 <u>Carrier Common Line Access Service</u>	17-1
17.2 <u>Switched Access Service</u>	17-2
17.3 <u>Special Access Service</u>	17-5
17.4 <u>Other Services</u>	17-20

ACCESS SERVICE

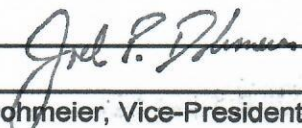
17. RATES AND CHARGES

17.1 Carrier Common Line Access Service

	<u>Rate</u>	
(Non-Toll Free)		(T)
(1) Originating	\$0.010000	
(2) Terminating	\$0.000000	
(Toll Free)		(N)
(1) Originating	\$0.000000	(N) (R)

ISSUED: June 1, 2021
EFFECTIVE: July 1, 2021

ISSUED BY:


Joel Dohmeier, Vice-President

Authorized by NH PUC Docket No.

ACCESS SERVICE

17. **RATES AND CHARGES** (Continued)

17.2 **Switched Access Service**

17.2.1 **Nonrecurring Charges**

Rate

(A) **Local Transport - Installation**
Per Entrance Facility

-	Voice Grade Two-Wire	\$474.14
-	Voice Grade Four-Wire	\$474.14
-	High Capacity DS1	\$347.70
-	High Capacity DS3	\$468.87
-	Synchronous Optical Channel OC3	\$379.30
-	Synchronous Optical Channel OC12	\$379.30

(B) **Interim NXX Translation Per Order**

Per LATA or Market Area	\$231.80
-------------------------	----------

(C) **Trunk Activation**
Per Order

-	Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	\$483.61
---	---	----------

17.2.2 **Local Transport**

- **Entrance Facility**
Per Termination

-	Voice Grade Two-Wire	\$11.84
-	Voice Grade Four-Wire	\$18.95
-	High Capacity DS1	\$57.72
-	High Capacity DS3	\$526.98
-	Synchronous Optical Channel OC3	\$537.36
-	Synchronous Optical Channel OC12	\$573.73

(R)
 |
 (R)

ACCESS SERVICE

17 RATES AND CHARGES (Continued)

17.2 Switched Access Service (Continued)

17.2.2 Local Transport (Continued)

Rate

Direct Trunked Transport

- Direct Trunked Facility
Per Mile

- Voice Grade	\$0.84
- High Capacity DS1	\$3.95
- High Capacity DS3	\$34.44
- Synchronous Optical Channel OC3	\$36.87
- Synchronous Optical Channel OC12	\$46.28

- Direct Trunked Transport Termination
Per Termination

- Voice Grade	\$8.47
- High Capacity DS1	\$20.51
- High Capacity DS3	\$131.74
- Synchronous Optical Channel OC3	\$137.17
- Synchronous Optical Channel OC12	\$298.66

Multiplexing
Per Arrangement

- DS3 to DS1	\$120.20
- DS1 to Voice	\$46.41

(M)-Material now appears on Sheet 17-3 of this Section.

(M)

(M)

ISSUED: June 1, 2021
EFFECTIVE: July 1, 2021

ISSUED BY:


Joel Dohmeier, Vice-President

Authorized by NH PUC Docket No.

ACCESS SERVICE

17 **RATES AND CHARGES** (Continued)

17.2 **Switched Access Service** (Continued)

17.2.2 **Local Transport** (Continued)

Rate

Tandem Switched Transport

-	<u>Tandem Switched Facility*</u> Per Access Minute Per Mile	
	-Terminating	\$0.000079
	-Originating	\$0.000188
-	<u>Tandem Switched Termination*</u> Per Access Minute Per Termination	
	-Terminating	\$0.000412
	-Originating	\$0.000979
-	<u>Tandem Switching*</u> Per Access Minute Per Tandem	
	-Terminating	\$0.001039
	-Originating	\$0.002468
-	<u>Joint Tandem Switched Transport*</u> Per Originating Toll Free Only Access Minute, Per Tandem	\$0.001

Network Blocking Per Blocked Call

Applies to FGD only \$0.006432 (R)

Residual Interconnection Charge

(Non-Toll Free)	
Per Originating Minute	\$0.002640
(Toll Free)	
Per Originating Minute	\$0.000000

800 Data Base Access Service Queries

Per Query	
- Basic	\$N/A
- Feature	\$N/A

* The Joint Tandem Switched Transport rate element applies per tandem to originating toll free minutes only in lieu of the Tandem Switched Facility, Tandem Switched Termination and Tandem Switching rate elements as of July 1, 2021.

ACCESS SERVICE

17 **RATES AND CHARGES** (Continued)

17.2 **Switched Access Service** (Continued)

17.2.3 **End Office**

(A) **Local Switching, Per Access Minute**

(Non-Toll Free)

- Terminating \$0.000000

- Originating \$0.017393

(Toll Free)

- Originating \$0.002835 (R)

(B) **Information Surcharge, Per 100 Access Minutes**

- Terminating *

- Originating (Non-Toll Free & Toll Free) \$N/A

(C) **Transitional End Office Access Service**
Per Terminating Minute

\$0.000000

17.2.4 **Reserved for Future Use**

17.2.5 **Reserved for Future Use**

* The terminating Information Surcharge is included in the terminating Local Switching rate.

ISSUED: May 31, 2022
EFFECTIVE: July 1, 2022

ISSUED BY: 
Joel Dohmeier, Vice-President

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 17-5

17.3 Special Access Service

17.3.1 Surcharge for Special Access Service

	<u>Monthly Rate</u>	<u>Tariff Section Reference</u>
- Per Voice Grade Equivalent	\$25.00	7.3

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 17-6

17.3 Special Access Service (Cont'd)

17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in 7.4 preceding.

	Monthly Rate	Nonrecurring Charge
(A) Channel Termination Per Termination	\$20.00	\$58.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$31.13	
(2) Channel Mileage Termination Per Termination	\$ 2.17	
(C) Optional Features and Functions		
(1) Bridging		
(a) Three Premises Bridging Per Port	\$6.15	
(b) Series Bridging Per Port	\$6.15	

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 17-7

17.3 Special Access Service (Cont'd)

17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in 7.5 preceding.

	Monthly Rate	Nonrecurring Charge
(A) Channel Termination Per Termination		
- Two-Wire	\$20.00	\$58.00
- Four Wire	\$40.01	\$58.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$ 2.59	
(2) Channel Mileage Termination Per Termination	\$26.01	
(C) Optional Features and Functions		
(1) Telegraph Bridging Per Port		
- Two-Wire	\$ 6.15	
- Four-Wire	\$ 6.15	

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

17.3 Special Access Service (Cont'd)

17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in 7.6 preceding.

	Monthly Rate	Nonrecurring Charge
(A) Channel Termination Per Termination		
- Two-Wire	\$36.34	\$227.00
- Four Wire	\$58.14	\$227.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$ 2.59	
(2) Channel Mileage Termination Per Termination	\$26.01	
(C) Optional Features and Functions		
(1) Bridging		
(a) Voice Bridging Per Port		
- Two-Wire	\$ 6.15	
- Four-Wire	\$ 6.15	

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 17-9

17.3 Special Access Service (Cont'd)

17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate
(C) Optional Features and Functions (Cont'd)	
(1) Bridging (Cont'd)	
(b) Data Bridging per port	
- Two-Wire	\$ 6.15
- Four-Wire	\$ 6.15
(c) Telephoto Bridging per port	
- Two-Wire	\$ 6.15
- Four-Wire	\$ 6.15
(d) DATAPHONE Select-A-Station Bridging	
Sequential Arrangement, Ports	
Per channel connected	
- Two-Wire	\$ 22.19
- Four-Wire	\$117.70
Addressable Arrangement, Ports	
Per channel connected	
- Two-Wire	\$ 23.75
- Four-Wire	\$102.80
(e) Telemetry and Alarm Bridging	
Active Bridging Channel Connections	
Per channel connected	
- Split Band	\$ 8.89
- Summation	\$ 3.47
Passive Bridging Channel	
Connections	\$ 0.24
Per channel connected	

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

17.3 Special Access Service (Cont'd)

17.3.4 Voice Grade Service (Cont'd)

(C) Optional Features and Functions (Cont'd)

(2) Conditioning Per Termination

- C Type	\$7.90
- Improved Attenuation Distortion*	None
- Improved Envelope Delay Distortion*	None
- Data Capability	\$ 5.30
- Telephoto Capability	\$ 9.02
- Sealing Current	None

(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination

- Two-Wire	\$ 13.35
- Four-Wire	\$ 13.35

(4) Customer Specified Receive Level per two-wire termination \$ 8.80

- Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

17.3 Special Access Service (Cont'd)

17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate
(C) Optional Features and Functions (Cont'd)	
(5) Multiplexing Per arrangement Voice to Telegraph Grade	\$226.19
(6) Signaling Capability Per termination	\$ 13.50
(7) Selective Signaling Arrangement Per arrangement	\$ 6.50
(8) Transfer Arrangement (key activated* or dial up**)	
- Per four port arrangement including control channel termination***	\$ 3.13
- Per five port arrangement including control channel termination***	\$ 7.14
(9) Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-up option requires the customer to purchase the Controller Arrangement from 13.3.8 preceding.

*** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 17-12

17.3 Special Access Service (Cont'd)

17.3.5 This Section Reserved for Future Use

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 17-13

17.3 Special Access Service (Cont'd)

17.3.5 This Section Reserved for Future Use

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 17-14

17.3 Special Access Service (Cont'd)

17.3.6 This Section Reserved for Future Use

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

17.3 Special Access Service (Cont'd)

17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in 7.9 preceding.		Monthly Rate	Nonrecurring Charge
(A) Channel Termination Per termination			
-	2.4 kbps	\$67.23	\$176.00
-	4.8 kbps	67.23	176.00
-	9.6 kbps	67.23	176.00
-	19.2 kbps	67.23	176.00
-	56.0 kbps	67.23	176.00
-	64.0 kbps	67.23	176.00
(B) Channel Mileage			
(1) Channel Mileage Facility Per Mile			
-	2.4 kbps	\$ 2.59	
-	4.8 kbps	2.59	
-	9.6 kbps	2.59	
-	19.2 kbps	2.59	
-	56.0 kbps	5.19	
-	64.0 kbps	5.19	
(2) Channel Mileage Termination Per Termination			
-	2.4 kbps	\$ 26.01	
-	4.8 kbps	26.01	
-	9.6 kbps	26.01	
-	19.2 kbps	26.01	
-	56.0 kbps	52.02	
-	64.0 kbps	52.02	

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

17.3 Special Access Service (Cont'd)

17.3.7 Digital Data Service (Cont'd)

	Monthly Rate
(C) Optional Features and Functions	
(1) Bridging Per port	\$ 7.85
(2) Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$ 6.21
(3) Public Packet Switching Network Interface Arrangement	
- Per 9.6 kbps arrangement	ICB
- Per 56.0 kbps arrangement	ICB
(D) Channel Service Unit Per Termination****	
- 2.4 kbps	\$31.05
- 4.8 kbps	31.05
- 9.6 kbps	31.05
- 56.0 kbps	31.05

* An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center. ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under ~~the provisions of the rules of the Public Utility Commission~~ filed on September 18, 1983.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

17.3 Special Access Service (Cont'd)

17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth 7.10 preceding.

	Monthly Rate	Nonrecurring Charge
(A) Channel Termination		
Per Termination		
- DS1 1.544 Mbps	\$266.87	\$178.00
- DS1C3.152 Mbps	ICB	ICB
- DS2 6.312 Mbps	ICB	ICB
- Capacity of 1 DS3 44.736 Mbps Interface	2802.11	
- per DS3 Channel Installed		941.60
- Capacity of 3 DS3 44.736 Mbps Interface	2143.62	
- per DS3 Channel Installed	1667.26	941.60
- Capacity of 6 DS3 44.736 Mbps Interface	4035.05	
- per DS3 Channel Installed	1412.27	941.60
- Capacity of 12 DS3 44.736 Mbps Interface	6556.96	
- per DS3 Channel Installed	1274.96	941.60
- DS4 274.176 Mbps	ICB	ICB
 (B) Channel Mileage		
	<u>Monthly Rate</u>	
(1) Channel Mileage Facility-Per Mile		
- 64 kbps*	\$ 5.83	
- 1.544 Mbps	33.76	
- 3.152 Mbps	ICB	
- 6.312 Mbps	ICB	
- 44.736 Mbps	371.35	
- 274.176 Mbps	ICB	
 (2) Channel Mileage Termination		
Per Termination		
- 64 kbps*	\$ 58.52	
- 1.544 Mbps	156.02	
- 3.152 Mbps	ICB	
- 6.312 Mbps	ICB	
- 44.736 Mbps	858.11	
- 274.176 Mbps	ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

Issued: September 10, 1995
 Proposed Effective: October 11, 1995

John Van Vught
 Treasurer

17.3 Special Access Service (Cont'd)

17.3.8 High Capacity Service (Cont'd)

(C) Term Discounts	Percentage
DS 1 and DS3 services	
36 months	10%
60 months	20%
(D) Optional Features and Functions	Monthly Rate
(1) Multiplexing, per arrangement	
DS4 to DS1	ICB
DS3 to DS1	\$711.40
DS2 to DS1	ICB
DS1C to DS1	ICB
DS1 to Voice**	\$212.35
DS1 to DS0	\$268.60
DS0 to Subrates	
- Up to 20 2.4 kbps services	\$398.30
- Up to 10 4.8 kbps services	287.90
- Up to 59.6 kbps services	251.15

- * A channel of this DS1 to the Hub can be used for Digital Data service. ICB rates and charges are filed in 17.3.9 following.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

17.3 Special Access Service (Cont'd)

17.3.8 High Capacity Service (Cont'd)

	Monthly Rate
(D) Optional Features and Functions (Cont'd)	
(2) Automatic Loop Transfer Per arrangement*	\$ 202.60
(3) Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including Control channel termination****	\$ 172.20
(E) Network Channel Terminating Equipment (NCTE) Per termination#	Not offered Currently

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

ACCESS SERVICE

17 **RATES AND CHARGES** (Continued)

17.4 **Other Services**

17.4.1 Access Ordering

	<u>Charge</u>		<u>Tariff</u>	<u>Section</u>	<u>Reference</u>	(T)
	<u>Special</u>	<u>Switched</u>				
	<u>Access</u>	<u>Access</u>				
(A) Access Order Charge Per Order	\$124.00	\$86.00	5.4.1			(R)
(B) Service Date Change Charge						
A service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1 (A) preceding does not apply. The applicable charge is:						
Service Date Change Charge, per order	\$19.00	\$60.00	5.4.3			(I)
(C) Design Change Charge						
The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is:						
Design Change Charge, per order	\$19.00	\$84.00	5.4.3			(I)
(D) Miscellaneous Service Order Charge						
Per Occurrence	\$19.00	\$123.00	5.4.2			(T) (I)

ACCESS SERVICE

17 **RATES AND CHARGES** (Continued)

17.4 **Other Services** (Continued)

17.4.2 Additional Engineering

	Each Half Hour or Fraction Thereof		Tariff Section Reference	(T)
	<u>Special Access</u>	<u>Switched Access</u>		
<u>Additional Engineering Periods</u>				
(1) Basic Time per engineer normally scheduled working hours	\$18.49	\$31.03	13.1	(I)
(2) Overtime per engineer outside of normally scheduled working hours	\$27.73	\$46.55	13.1	(I)
(3) Premium Time outside of scheduled work day, Per engineer	\$36.98	\$62.06	13.1	(T) (I)

ACCESS SERVICE

17 **RATES AND CHARGES** (Continued)

17.4 **Other Services** (Continued)

17.4.3 Additional Labor

Additional Labor <u>Periods</u>	Each Half Hour or Fraction Thereof		Tariff Section <u>Reference</u>	(T)
	<u>Special Access</u>	<u>Switched Access</u>		
(A) Installation or Repair				
- Overtime, per technician outside of normally scheduled working hours on a scheduled work day	\$21.60*	\$47.57*	13.2.1 & 13.2.2	(I)
- Premium Time, per technician Outside of scheduled work Day	\$28.80*	\$63.42*	13.2.1 & 13.2.2	(I)
(B) Standby				
- Basic time, per technician normally scheduled working hours	\$16.42	\$21.18	13.2.3	(I)
- Overtime, per technician outside of normally scheduled working hours on a scheduled work day	\$24.63*	\$31.77*	13.2.3	(I)
- Premium Time, per technician Outside of scheduled work day	\$32.83*	\$42.36*	13.2.3	(T) (I)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17 **RATES AND CHARGES** (Continued)

17.4 **Other Services** (Continued)

17.4.3 **Additional Labor** (Continued)

	<u>Each Half Hour or Fraction Thereof</u>				<u>Tariff Section Reference</u>	(T)
	<u>Installation And Repair Technician</u>	<u>Special Access</u>	<u>Central Office Maintenance Technician</u>	<u>Special Access</u>		
<u>Additional Labor Periods</u>						
(C) Testing and Maintenance With other Telephone Companies, or Other Labor						
- Basic time, per technician normally scheduled working hours	\$14.40	\$31.71	\$17.16	\$34.66	13.2.4 & 13.2.5	(I)
- Overtime, per technician outside of normally scheduled working hours on a scheduled work day	\$21.60*	\$47.57*	\$25.74*	\$51.99*	13.2.4 & 13.2.5	(I)
- Premium Time, per technician outside of scheduled work day	\$28.80*	\$63.42*	\$34.32*	\$69.32*	13.2.4 & 13.2.5	(T) (I)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

17.4 Other Services (Cont'd)

17.4.4 Miscellaneous Services

(A) Additional Cooperative Acceptance Testing - Switched Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.1(A)(1)

(B) Additional Automatic Testing - Switched Access

<u>To First Point of Switching</u>		
<u>Additional Tests</u>	<u>Per Test Per Transmission Path</u>	
Gain-Slope Tests	\$2.89	13.3.1(A)(2)
C-Notched Noise Tests	\$2.89	13.3.1(A)(2)
1004 Hz Loss**	\$2.89	13.3.1(A)(2)
C-Message Noise**	\$2.89	13.3.1(A)(2)
Balance (return loss)**	\$2.89	13.3.1(A)(2)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** 1004 Hz Loss, C-Message Noise and Balance are non-chargeable routine tests, however, they may be requested on an as needed or more than routine scheduled basis, in which case the charges herein apply.

Issued: September 10, 1995
 Proposed Effective: October 11, 1995

John Van Vught
 Treasurer

17.4 Other Services (Cont'd)

17.4.4 Miscellaneous Services (Cont'd)

(C) Additional Manual Testing - Switched Access

To First Point
of Switching

Additional Tests

Gain-Slope,
C-Notched Noise and
any other agreed to
tests, per technician

Each Half Hour or Fraction Thereof	Tariff Section Reference
See the rates for Additional Labor as set forth in 17.4.3(C) preceding	13.3.1(A)(3)

(D) Additional Cooperative Acceptance Testing - Special Access

Testing Periods

Basic Time, Overtime*
and Premium Time*

Each Half Hour or Fraction Thereof	Tariff Section Reference
See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.1(B)(1)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

17.4 Other Services (Cont'd)

17.4.4 Miscellaneous Services (Cont'd)

(E) Additional Manual Testing - Special Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.1(B)(2)

(F) Maintenance of Service

<u>Maintenance of Service Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.2

- * A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

NH P.U.C. - Telephone - No. 1 - Access
 The Chichester Telephone Company
 Kearsarge Telephone Company
 Meriden Telephone Company

First Revised Sheet 17-27
 Cancels Original Sheet 17-27

APPROVED

17.4 Other Services (Cont'd)

17.4.4 Miscellaneous Services (Cont'd)

(G) Telecommunications Service Priority

Nonrecurring Charge

Tariff
 Section
Reference

Per service arranged

\$54.63

13.3.3

(H) Controller Arrangement

Monthly
 Rate

Per Arrangement \$100.00

13.3.4(A)

(I) Unauthorized PIC Change

- Residence/Business
 Per Telephone Exchange
 Service Line or Trunk

\$ 35.65

13.4

- Public and/or Semi-
 Public Pay Telephone
 per Telephone Exchange
 Service Line or Trunk

\$ 57.57

13.4

(D)

|

(D)

(T)

(T)

(T)

(D)

|

(D)

ISSUED: October 21, 2005
 EFFECTIVE: December 1, 2005



By: Paul E. Pederson, Vice - President

17.4 Other Services (Cont'd)

17.4.5 Special Federal Government Access Services

(A) Voice Grade Secure Communications	Monthly Rates	Nonrecurring Charges	Termination Charges
Type I, each T-3 Conditioning,	ICB rates and charges apply		
Additional Conditioning, per service termination	ICB rates and charges apply		
Type II, each G-1 Conditioning,	ICB rates and charges apply		
Type III, each G-2 Conditioning,	ICB rates and charges apply		
Additional Conditioning, per service termination	ICB rates and charges apply		
Type IV, each G-3 Conditioning,	ICB rates and charges apply		
Additional Conditioning, per service termination	ICB rates and charges apply		

(B) Wideband Digital Special Access Service

Wideband Secure Communications	Monthly Rates	Nonrecurring Charges	Termination Charges
Type I, each	ICB rates and charges apply		
Type II, each	ICB rates and charges apply		
Type III, each	ICB rates and charges apply		

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

17.4 Other Services (Cont'd)

17.4.6 Special Facilities Routing of Access Services

(A) Diversity

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(B) Avoidance

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(C) Diversity and Avoidance Combined

For each service provided in accordance with 11.1.1 and 11.1.2 preceding, combined, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(D) Cable-Only Facilities

For each service provided in accordance with 11.1.4 preceding, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

Issued: April 8, 1997
Effective: May 8, 1997

Donald F. Miller
Vice-President

NH P.U.C. - Telephone - No. 1 - Access
The Chichester Telephone Company
Kearsarge Telephone Company
Meriden Telephone Company

Original Sheet 17-30

17.4 Other Services (Cont'd)

17.4.7 Specialized Service or Arrangements

Specialized Service or Arrangements are provided on an individual case basis as set forth following:

(Reserved for future use.)

Issued: September 10, 1995
Proposed Effective: October 11, 1995

John Van Vught
Treasurer

RATES AND CHARGES

17.4 Other Services (Continued)

APPROVED

17.4.8 IntraLATA Presubscription

(C)

(a) IntraLATA Presubscription Change Charge

Per business or residence line, trunk, or port

-Initial line, trunk, or port

\$1.25

(R)

(b) Simultaneous IntraLATA and InterLATA Change Charge

(C)

Per business or residence line, trunk, or port

-Initial line, trunk, or port

\$0.62

(C)

(D)

(D)