

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

TARIFF F.C.C. NO. 1
ORIGINAL PAGE 1

REGULATIONS, RATES AND CHARGES

Applying to the provision of Access Services within
a Local Access and Transport Area (LATA) for
Connection to Interstate Communications Facilities
for Interstate Customers within the
operating territory of

THE CHILLICOTHE TELEPHONE COMPANY

In the State of

Ohio

As provided herein.

Access Services are provided by means of wire, radio or a
combination thereof.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

Check Sheet

Original pages 1 to 375 and Supplement Nos. 1 to 9 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below contain all changes from the original tariff that are in effect on the date hereof.

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ISSUED: June 16, 2004

EFFECTIVE: July 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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* New or Revised Page

ISSUED: July 6, 2004

EFFECTIVE: July 6, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio

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* New or Revised Page

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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* New or Revised Page

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
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324	1st	356	2nd
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326	ORIGINAL	358	ORIGINAL
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329	ORIGINAL	361	ORIGINAL
330	1st	362	ORIGINAL
331	33rd	363	1ST*
332	30th	364	ORIGINAL
333	ORIGINAL	365	1st*
334	ORIGINAL	366	ORIGINAL
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336	1ST	368	ORIGINAL
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337	32nd	370	1st*
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* New or Revised Page

ISSUED: June 16, 2004

EFFECTIVE: July 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

Under authority of the Federal Communications Commission's Order (In the Matter of July 1, 2004 Annual Access Charge Tariff Filings), DA 04-1997, released July 1, 2004, the effective date of the tariff revisions contained in the following tariff pages originally filed under Transmittal No. 80 is advanced one day to June 30, 2004. These tariff revisions are then suspended under an accounting order for a period of one day, and become effective on July 1, 2004.

<u>Page</u>	<u>Number of Revision Except as Indicated</u>
1	69th
1.5	42nd
363	1st
365	1st
367	1st
370	1st
371	1st

ISSUED: July 6, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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THE CHILlicoTHE TELEPHONE COMPANY
ACCESS SERVICE

TARIFF F.C.C. NO. 1
ORIGINAL PAGE 5

CONCURRING CARRIERS

None

CONNECTING CARRIERS

None

OTHER PARTICIPATING CARRIERS

None

REGISTERED SERVICE MARKS AND TRADEMARKS

None

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

TARIFF INFORMATION AND USE (Cont.)

GENERAL (Cont.)

Tariff Section Numbering

- An alphanumeric numbering plan is used to number tariff regulations and rates. Each level is subordinate to and dependent on its next higher level. An example of the numbering sequence follows:

6.
6.2
6.2.1
6.2.1(B)
6.2.1(B)(2)
6.2.1(B)(2)(a)

Tariff Revision Coding

- Revisions to this tariff are coded through the use of symbols. These symbols appear in the right margin of the page. The symbols and their meanings are:

N - to signify new rate or regulation.
R - to signify reduction to a rate or charge.
I - to signify increase to a rate or charge.
D - to signify discontinued rate or regulation.
C - to signify changed regulation.
T - to signify a change in text but no change in rate
or regulation.
S - to signify matter reissued without change.
M - to signify matter relocated without change.
Z - to signify a correction.

- Other marginal codes are used to direct the reader to a footnote for specific information. Codes used for this purpose are lower case letters of the alphabet, e.g., x, y, and z. These codes may appear beside the page revision number or in the right margin opposite specific text.

TARIFF INFORMATION AND USE (Cont.)

TARIFF STRUCTURE AND ORGANIZATION

Tariff Supplements

- A Supplement may be filed with the FCC to change the effective date of tariff pages or tariff material without reissuing or refiling the affected tariff pages.
- A Supplement will briefly describe the action taken (e.g., suspension, deferral, effective date change, etc.) as well as indicate what tariff material, sections or pages are affected.
- The Supplements in effect are listed by number on the first Check Sheet, in the text at the top of that Check Sheet. When a Supplement is no longer needed, it will be deleted from the Check Sheet.
- It is recommended that Supplements be placed in the front of the tariff, preceding the Title Page.

Title Pages (Pages 1 through 66)

- Title Page 1 provides information regarding the FCC number of the tariff, the class of service provided the geographical application of the tariff, and the type of facilities used to provide service. This page also provides information related to the origination of the tariff.
- Title Pages 2 through 66 list, in alphabetical order, Issuing Carriers. Issuing Carriers are these exchange telephone companies who authority to provide and bill for Access Services is this tariff. In the case of this tariff, the carriers listed are those who participate in all Exchange Carrier Association Tariff Pools and who have not filed their own tariffs for any element of Access Service.

TARIFF INFORMATION AND USE (Cont.)

TARIFF STRUCTURE AND ORGANIZATION (Cont.)

Check Sheets (Pages 1 through 1.7)

- When new or revised tariff pages are filed with the FCC, revised and updated Check Sheets are also filed with the FCC.
- The Check Sheets list all pages in the tariff as well as the most recent revision number of each page. When pages are changed, or added, the Check Sheets are changed to reflect the change or addition. An asterisk (*) is placed next to revised or added pages to highlight the pages changed.
- The Check Sheets list the most recent page revision filed with the FCC. It does not indicate that the latest revision is effective. The effective date on the page itself and Tariff Supplements must be examined to determine page effectiveness.

Table of Contents (Pages 2 through 15)

- The Table of Contents lists the Sections and Paragraphs of the Tariff and provides a page number at which that Section or paragraph begins.

Symbols and Abbreviations (Pages 17 through 18)

- A listing and explanation of tariff coding symbols and abbreviations used in the tariff is provided.

Technical Publications (Pages 19 through 19.2)

- The status and availability of technical publications required for the provision of Access Service is provided.

TARIFF INFORMATION AND USE (Cont.)

TARIFF STRUCTURE AND ORGANIZATION (Cont.)

Section 1 - Application of Tariff

- States the application and scope of the Access Service tariff.

Section 2 - General Regulations

- States the general regulations that apply to the access services offered by this tariff.

Section 3 - Carrier Common Line Access Service and Section 4 - End User Access Service

- States the specific rates and regulations for Carrier Common Line and End User Access Service, respectively.

Section 5 - Ordering Options

- States the rates and regulations for the Ordering Options available for the ordering of switched and special access services.

Section 6 through 11

- States the specific rates and regulations for the following Access Services:

- 6 - Switched Access Service
- 7 - Special Access Service
- 8 - Advanced Communications Networks (T)
- 9 - Special Facilities Routing of Access Services
- 10 - Specialized Service or Arrangement
- 11 - Additional Engineering, Additional Labor and Miscellaneous Services

Section 12 and 13

- States exceptions, and technical specifications and service parameters, respectively.

Section 14 through 16

(N)

Reserved for future use.

Section 17

- Rates and charges for all tariff sections.

(N)

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

EXPLANATION OF ABBREVIATIONS (Cont.)

LATA	- Local Access and Transport Area
LDMTS	- Long Distance Message Telecommunications Service(s)
Ma	- milliamperes
Mbps	- Megabits per second
MHz	- Megahertz
MOU	- Minutes of Use
MRC	- Monthly Recurring Charge
NB	- Narrowband
NPA	- Numbering Plan Area
NRC	- Nonrecurring Charge
NTS	- Non-Traffic Sensitive
NXX	- Three Digit Central Office Code
PBX	- Private Branch Exchange
PCM	- Pulse Code Modulation
PLR	- Private Line Ringdown
POT	- Point of Termination
rms	- root-mean-square
SSN	- Switched Service Network
SWC	- Serving Wire Center
TES	- Telephone Exchange Service(s)
TLP	- Transmission Level Point
TSPTS	- Traffic Service Position System
TV	- Television
USOC	- Uniform Service Order Code
VG	- Voice Grade
V & H	- Vertical & Horizontal
WATS	- Wide Area Telecommunications Service(s)

REFERENCE TO OTHER TARIFFS

Whenever reference is made in this Tariff to other tariffs of the Telephone Company, the reference is to the tariffs in force as of the effective date of this Tariff, and to amendments thereto and successive issues thereof.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Literary Data Center, Inc., G.P.O. Box C-9014, Brooklyn, New York, New York 11202:

Multiple Exchange Carrier Access Billing Guidelines (MECAB)
Issued: August 14, 1987
Available: August 14, 1987

Multiple Exchange Carrier Ordering and Design Guidelines (MECOD)
Issued: February 1986
Available: April 3, 1986

Compatibility Bulletin 106, Issue 2
Issued: December 1981
Available: march 11, 1982

Technical Reference:

PUB 41451*
Issued: January 1983
Available: May 17, 1983

PUB 60101
Issued: December 1982
Available: January 17, 1983

PUB 62411
Issued: August 1983
Available: August 23, 1983

PUB 62310
Issued: September 1983
Available: September 16, 1983

PUB 41004
Issued: October 1973
Available: October 1973

PUB 62411
Issued: September 1983
Available: October 1983

ISSUED: December 31, 1987 EFFECTIVE: January 1, 1988
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

REFERENCE TO TECHNICAL PUBLICATIONS (Cont.)

PUB 62500
Issued: December 1983
Available: March 15, 1984

PUB 62501
Issued: December 1983
Available: March 15, 1984

PUB 62502
Issued: December 1983
Available: January 1984

PUB 62503
Issued: December 1983
Available: March 15, 1984

PUB 62504
Issued: December 1983
Available: March 15, 1984

PUB 62505
Issued: December 1983
Available: January 1984

PUB 62506
Issued: December 1983
Available: January 1984

PUB 62507
Issued: December 1983
Available: March 15, 1984

PUB 62508
Issued: December 1983
Available: January 1984

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS

2.1 Undertaking of the Telephone Company

(M)

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

2.1.2 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

(M)

Certain regulations on this page formerly appeared on page 21 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.1 Undertaking of the Telephone Company (Cont.)

(M)

2.1.2 Limitations (Cont.)

the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or

- (2) a court appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.

In all cases of assignment or transfer, the written acknowledgment of the Telephone Company is required prior to such assignment or transfer which acknowledgment shall be made within 15 days from the receipt of notification. All 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.

- (B) The use and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A, of the Federal Communications

(M)

Certain regulations on this page formerly appeared on pages 21 and 22 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.1 Undertaking of the Telephone Company (Cont.)

(M)

2.1.7 Changes and Substitutions (Cont.)

services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Telephone Company will provide reasonable written modification to the customer. 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 notification requirements.

(M)
(T)

2.1.8 Discontinuance and Refusal of Services

(A) Unless the provisions of 2.2.1(B), or 2.5 following apply, if a customer fails to comply with 2.1.6 preceding or 2.2.2, 2.3.1, 2.3.5, 2.3.6 or 2.4 following, 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 that customer to receive such notices of noncompliance, refuse additional applications for service and/or refuse to complete any pending orders for service by the noncomplying customer at any time thereafter.

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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

(M)

Certain regulations on this page formerly appeared on pages 26 and 26.1 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.1 Undertaking of the Telephone Company (Cont.)

2.1.8 Discontinuance and Refusal of Services (Cont.)

applications for service to the noncomplying customer without further notice.

- (B) Unless the provisions of 2.2.1(B), or 2.5 following apply, if the customer fails to comply with 2.1.6 preceding or 2.2.2, 2.3.1, 2.3.5, 2.3.6 or 2.4 following, 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 to the noncomplying customer 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 to the noncomplying customer without further notice.

- (C) If the National Exchange Carrier Association, Inc., notifies the Telephone Company that the Customer has failed to comply with Section 8 of the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 5 (Lifeline Assistance and Universal Service Fund charges) including any Customer's failure to make payments on the

(N) *
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(N) *

* Issued on not less than 15 days notice under authority of Special Permission Number 89-540 of the Federal Communications Commission.

SECTION 2. GENERAL REGULATIONS (Cont.)

2.1 Undertaking of the Telephone Company (Cont.)

(M)

2.1.11 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 (6) months' notice, by Certified U.S. Mail, effective date and an explanation of the reason(s) for such change(s).

2.2 Use

2.2.1 Interference or Impairment

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

(M)

Certain regulations on this page formerly appeared on pages 28, and 29 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.2 Use (Cont.)

(M)

2.2.1 Interference or Impairment (Cont.)

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

2.2.2 Unlawful and Abusive Use

- (A) The service provided under this tariff shall not be used for an unlawful purpose or used in an abusive manner.

Abusive use includes:

- (1) The use of the service of the Telephone Company for a call or calls, anonymous or otherwise, in a manner reasonably expected to frighten, abuse, torment, or harass another;

(M)

Certain regulations on this page formerly appeared on page 30 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.3 Obligations of the Customer (Cont.)

(M)

2.3.1 Damages (Cont.)

(M)

another customer's acts or omissions. 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.

(T)

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2.3.2 Ownership of Facilities and Theft

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

2.3.3 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, maintaining, repairing or removing Telephone Company services.

(M)

Certain regulations on this page formerly appeared on page 31 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.3 Obligations of the Customer (Cont.)

2.3.10 Coordination with Respect to Network Contingencies

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

2.3.11 Jurisdictional Certification and Report Requirements

(C) *

(A) Certification Requirements

(N) *

When the customer order Special Access Service, and the jurisdictional nature of the customer's traffic is mixed and the customer certifies to the Telephone company in writing that more than ten percent of the traffic is interstate, the service is considered to be interstate and is provided under this Tariff.

(B) Disputes Involving Jurisdictional Certification

If a dispute arises concerning the certification of projected interstate traffic as described in (A) above, the Telephone Company will ask the customer to provide the data the customer used to determine the percent interstate traffic. The customer shall supply the data within thirty (30) days of the Telephone company request.

(N) (*)

Jurisdictional Reports - Switched Access Service

(T) *

(1) - When a customer orders Feature Group A and/or Feature Group B Switched Access Service the customer shall, in its order, state the projected interstate percentage for interstate usage for each Feature Group A and/or Feature Group B Switched Access Service group ordered. If the customer discontinues some but not all of the Feature Group A and/or Feature Group B Switched Access Service in a group, it shall provide the projected interstate percentage for such services which are discontinued.

(X)

SECTION 2. GENERAL REGULATIONS (Cont.)

2.3 Obligations of the Customer (Cont.)

2.3.11 Jurisdictional Certification and Report Requirements (Cont.)

(C) Jurisdictional Reports - Switched Access Service

(1) -When a customer orders Feature Group A and/or Feature Group B Switched Access Service the customer shall, in its order, state the projected interstate percentage for interstate usage for each Feature Group A and/or Feature Group B Switched Access Service group ordered. If the Customer discontinues some but not all of the Feature Group A and/or Feature Group B Switched Access Service in a group, it shall provide the projected interstate percentage for such services which are discontinued.

-Pursuant to Federal Communications Commission Order FCC 85-145 adopted April 16, 1985, interstate usage is to be developed as though every call that enters a customer network at a point within the same state as that in which the called station (as designated by the called station telephone number) is situated is an intrastate communication and every call for which the point of entry is in a state other than that where the called station (as designated by the called station telephone number) is situated is an interstate communication.

(y) Certain regulations on this page formerly appeared on original Page 33.

(x) Certain regulations previously found on this page can now be found on Original Page 34.1.

* Filed pursuant to the Federal Communications Commission's Decision and Order, CC Docket No.78-72 and CC Docket No. 80286, released July 20, 1989.

Issued on not less than 30 days notice under authority of Special Permission Number 89-1026 of the Federal Communications Commission.

ISSUED: December 29, 1989

EFFECTIVE: January 28, 1990

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.3 Obligations of the Customer (Cont.)

2.3.11 Jurisdictional Certification and Report Requirements (Cont.)

(C) Jurisdictional Reports - Switched Access Service
(Cont.)

the calling number is in one state and the called number is in another state) by the total originating access minutes when the call detail is adequate to determine the appropriate jurisdiction. For terminating access minutes, the data used by the Telephone Company to develop the projected interstate percentage for originating access minutes will be used to develop projected interstate percentage for such terminating access minutes. When originating call details are insufficient to determine the jurisdiction for the call, the customer shall supply the projected interstate percentage or authorize the Telephone Company to use the Telephone Company developed percentage. This percentage shall be used by the Telephone Company as the interstate percentage for such call detail. The Telephone Company will designate the number obtained by subtracting the projected interstate percentage for originating and terminating access minutes calculated by the Telephone Company from 100 (100 - Telephone Company calculated projected percentage - intrastate percentage) as the projected intrastate percentage of use.

- (5) When a customer orders Directory Assistance Service, the customer shall, in its order, provide the projected inter-

Filed pursuant to the Federal Communications Commission's Decision and Order, CC Docket No. 78-72 and CC Docket No. 80-286, released July 20, 1989.

Issued on not less than 30 days notice under authority of Special Permission Number 89-1026 of the Federal Communications Commission.

ISSUED: December 29, 1989

EFFECTIVE: January 28, 1990

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.3 Obligations of the Customer (Cont.)

2.3.11 Jurisdictional Certification and Report Requirements
(Cont.)

(E) Jurisdictional Changes and Notifications

The Telephone Company will notify its special access customers of the jurisdictional change pursuant to the FCC Decision And Order, released July 20, 1989, in CC Docket Nos. 78-72 and 80-286. By this notification, customers will be requested to certify the jurisdiction for their services. Customers with fixed term contracts who change as a result of this Decision And Order will be allowed to do so without termination penalty if they notify the Telephone Company within 90 days of the effective date of this tariff provision.

* Filed pursuant to the Federal Communications Commission's Decision and Order, CC Docket No. 78-72 and CC Docket No. 80-286, released July 20, 1989.

Issued on not less than 5 days notice under authority of Special Permission Number 90-394 of the Federal Communications Commission.

ISSUED: May 10, 1990

EFFECTIVE: May 15, 1990

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.3 Obligations of the Customer (Cont.)

2.3.12 Determination of Interstate 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 percentage provided in the reports as set forth in 2.3.11(A) preceding will serve as the basis for prorating the charges. The percentage of an Access Service to be charged as interstate is applied in the following manner:

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

The interstate percentage will change as revised usage reports are submitted as set forth in 2.3.11 preceding.

2.3.13 800/888 Services (T)

- (A) When an 800/888 Call-Routing Query, as described following, is performed to determine the routing of a call, and the associated Switched Access service is provided in whole or in part by the Telephone Company, the Percentage for Interstate Use (PIU) for the query will be the same as that of the Switched Access service. (T)

ISSUED: February 14, 1996

EFFECTIVE: March 1, 1996

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.1 Payment of Rates, Charges and Deposits (Cont.)

established credit, to make a deposit prior to or at any time after the provision of a service to the customer to be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required of a customer which is a successor of a company which has established credit and has no history of late payments to the Telephone Company. Such a deposit may not exceed the actual or estimated rates and charges for the service for a two-month period. The fact that a deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to the prompt payment of bills. At such time as the provision of the service to the customer is terminated, the amount of the deposits will be credited to the customer's account and any credit balance which may remain will be refunded.

After the establishment of a One Year prompt payment history, the Telephone Company will return or credit the deposit to the customer's account. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive interest at the lesser of the rate options found in (2.4.1(B)(4)(a) or (2.4.1(B)(4)(b). The rate will be compounded daily 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

(D)*

* Issued on not less than 15 days notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.1 Payment of Rates, Charges and Deposits (Cont.)

Company, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty set forth in 2.4.1(B)(4) preceding. If the customer disputes the bill on or before the payment date, and pays the undisputed amount on or before the payment due date, any late payment charge for the disputed amount will not start until ten days after the payment date. If the billing dispute is resolved in favor of the customer, no late payment penalty will apply to the disputed amount. In addition, if the customer disputes the billed amount and pays the total amount (i.e., the undisputed amount and the disputed amount) on or before the payment date and the billing dispute is resolved in the favor of the customer, the customer will receive a credit for the disputed amount and a disputed amount penalty from the Telephone Company if the billing dispute is not resolved within 10 working days following the payment date or the date the customer furnishes to the Telephone Company documentation to support its claim plus 10 working days, whichever date is the later date. The disputed amount penalty shall be equal to the lesser of the rate options detailed in section 2.4.1(B)(4) prior, times the disputed amount resolved in the customer's favor for the days or portion thereof that the dispute was outstanding in excess of 10 working days.

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* Issued on not less than 15 days notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.1 Payment of Rates, Charges and Deposits (Cont.)

(E) 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).

2.4.2 Minimum Periods

The minimum periods for which services are provided and for which rates and charges are applicable are set forth in Sections 5.2.7 of this Tariff.

(T)
(T)

When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining portion of the minimum period, whether the service is used or not as follows:

- (A) When a service with a one-month minimum period is discontinued prior to the expiration of the minimum period, a one-month charge will apply at the rate level in effect at the time service is discontinued.
- (B) When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of) the Telephone Company's total nonrecoverable costs less the net salvage value for the discontinued service or (2) the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

(N) *

2.4.4 Credit Allowance for Service Interruptions
(Cont.)

(A) When a Credit Allowance Applies (Cont.)

- (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.
- (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.

(N) *

* Issued on not less than 15 days notice under authority of
Special Permission Number 87-274 of the Federal
Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.4 Credit Allowance for Service Interruptions
(Cont.)

(A) When a Credit Allowance Applies (Cont.)

monthly rate and minimum monthly usage charge for the service interrupted in any one monthly billing period.

- (5) For certain Special Access services (Wideband Digital, WD1-4; Digital Data Access, DA1-4; and High Capacity, HC1), any period during which the error performance is below that specified for the service will be considered as an interruption.
- (6) Service interruptions for Specialized Service or Arrangements provided under the provisions of Section 9 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.
- (7) A credit allowance for service interruptions to special access service with the exception (N)* of (2) and (5) above, will commence after the first 30 minutes of outage after the telephone company becomes aware of the outage. The credit will be equal to 1/720 of the monthly charge for each hour of outage or major portion, 31 minutes or more, thereof. (N)*

* Issued on not less than 15 days notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.) (M)

2.4.4 Credit Allowance for Service Interruptions
(Cont.)

(B) When Credit Allowance Does Not Apply

No credit allowance will be made for:

- (1) Interruptions caused by the negligence of the customer.
- (2) Interruptions of a service due to the failure of equipment or systems provided by the customer, end user or others. (M)
(T)
(M)
- (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. (M)
- (4) An interruption credit shall not be given for interruptions of a service during any period when the customer has released a service to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service. The Telephone Company shall provide the customer with a written estimate of the time needed to perform the above services prior to the interruption period. If service is interrupted beyond the time given in the written estimate and is not the result of another condition set forth in (T)
(N)
(N)

Certain regulations on this page formerly appeared on page 45 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

- 2.4 Payment Arrangements and Credit Allowances (Cont.) (M)
- 2.4.4 Credit Allowance for Service Interruptions
(Cont.)
- (B) When Credit Allowance Does Not Apply (Cont.) (M)
- 2.4.4(B), then a credit allowance will (N)
apply as set forth in 2.4.4(A) above. (N)
- (5) Interruptions of a service which (M)
continue because of the failure of the
customer to authorize replacement of
any element of special construction as
set forth in EXCHANGE CARRIER ASSOCIATION
F.C.C. TARIFF NO. 3 for SPECIAL CONSTRUCTION.
The period for which no credit
allowance is made begins on the seventh
day after the customer receives the
Telephone Company's written
notification of the need for such
replacement and ends on the day after
receipt by the Telephone Company of
the customer's written authorization
for such replacement.
- (6) Periods when the customer elects not
to release the service for testing
and/or repair and continues to use it
on an impaired basis.
- (7) An interruption or a group of
interruptions, resulting from a common
cause, for amounts less than one
dollar. (M)

Certain regulations on this page formerly appeared on
pages 45 and 46 of the EXCHANGE CARRIER ASSOCIATION TARIFF
F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.4 Credit Allowance for Service Interruptions
(Cont.)

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

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

(D) Temporary Surrender of a Service

In certain instances, the customer may be requested 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 1/30 of the monthly rate for each period of 24 hours or fraction thereof that the service is surrendered. For example, if an outage lasted for 26 hours, the Telephone Company will give a credit of 2/30th. In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

(N) *
| |
(N) *

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

* Issued on not less than 15 days notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

(M)

2.4.5 Re-establishment of Service following Fire, Flood
or Other Occurrence (Cont.)

(A) Nonrecurring Charges Do Not Apply (Cont.)

fire, flood or other occurrence attributed
to an Act of God provided that:

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

(B) Nonrecurring Charges Apply

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

(M)

Certain regulations on this page formerly appeared on page 47
of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved (x)
(Cont.)

are eligible to become a part of the MPB process. The Company will maintain and administer the billing system along with applicable tariff rates for all ECs involved in the provision of access services. The tariff rates provided to the Company for billing must include all charges that are applicable to the meet point billed services. It is the nonbilling company's responsibility to provide all applicable tariff information, including any rate revisions, to the billing company.

At the customer's option, separate checks may be rendered by the applicable Interexchange Carrier's (ICs) and mailed directly to each EC or to the billing company for distribution. If the nonbilling EC receives payment directly from the IC, it is the nonbilling ECs responsibility to notify the billing company of payment. The billing company is then responsible for applying each payment to the appropriate ECs balance due.

- (A) When Feature Group A Switched Access Service is ordered by a customer 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 Exchange Telephone Company in whose operating territory the first point of switching is located will accept the order. In addition, the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer. The Exchange

(x)

(x) The expiration date for meet point billing provisions has been deferred until further notice.

ISSUED: December 31, 1987 EFFECTIVE: August 31, 1988
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved (x)
(Cont.)

Telephone Company that accepts the order will then determine the charges involved, arrange to provide the Access Service ordered and bill the charges in accordance with its Access Service tariff.

(B) When Feature Group B, C, D and/or Directory (N) Assistance Service is ordered by a customer 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, the orders will be received as follows:

- (1) For Feature Group B Switched Access Service ordered to an end office, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer.
- (2) For Feature Group B Switched Access Service ordered to an access tandem, the Exchange Telephone Company in whose operating territory the access tandem is located must receive the order from the customer.
- (3) For Feature Group C and D Switched Access (N) Service and/or Directory Assistance Service, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer. (x)

(x) The expiration date for meet point billing provisions has been deferred until further notice.

ISSUED: November 17, 1988 EFFECTIVE: January 1, 1989
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved (x)
(Cont.)

coterminous) and one end of the channel mileage is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer. In addition, the Exchange Telephone Company in whose operating territory the WATS Serving Office is located must also receive a copy of the order from the customer. Each Exchange Telephone Company will provide the portion of the Channel Mileage element in its operating territory to an inter-connection point (IP) with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Channel Mileage element will be determined as set forth in (F) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.

- (D) Except when a WATS Access Line Service is ordered as set forth in (C) preceding or (E) following, when a Special Access Service is ordered by a customer where one end of the Channel Mileage is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, either of the Exchange Telephone Companies may receive the order from the customer. In addition, the other Exchange Telephone Company must receive a copy of the order from the customer. One of the Exchange Telephone Companies will coordinate (x)

(x) The expiration date for meet point billing provisions has been deferred until further notice.

ISSUED: December 31, 1987 EFFECTIVE: August 31, 1988
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont.) (x)

the order as mutually agreed upon by the Exchange Telephone Companies. Each Exchange Telephone Company will provide the portion of the Channel Mileage element in its operating territory to an interconnection point (IP) with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Channel Mileage element will be determined as set forth in (F) following. All other appropriate charges in each Exchange Company tariff are applicable.

(E) When a Special Access Service involving a Hub is ordered where one end of the Channel Mileage element is in an Exchange Telephone Company operating territory and the Hub is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose operating territory the Hub is located must receive the order from the customer. In addition, the Exchange Telephone Companies in whose operating territory a customer premises is located must receive copies of the order from the customer. Each Exchange Telephone Company will provide the portion of the Channel Mileage element in its operating territory to an interconnection point (IP) with another Exchange Telephone Company and will bill the charges in accordance with its access service tariff. The rate for the Channel Mileage element will be determined as set forth in (F) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable. (x)

(x) The expiration date for meet point billing provisions has been deferred until further notice.

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved
(Cont.)

(F) The charges for the Local Transport element and the rate for the Channel Mileage element for services provided as set forth in (B) through (E) preceding are derived as follows:

(1) For both Direct-Trunked Transport and Tandem-Switched Transport, determine the appropriate mileage by computing airline mileage between the two ends of the Local Transport Facility or the Channel Mileage. Determine the airline mileage for the Local Transport Facility charge using the V&H method set forth in 6.7.11 following. Determine the airline mileage for the Channel Mileage using the V&H method as set forth in 7.2.5 following. (N)
(N)

(2) For Feature Groups A, B, C and D Tandem Switched Transport (C)

- multiply the number of originating and terminating access minutes of use routed over the facility 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 Tandem Switched Facility rate;
- multiply the Tandem Switched Termination rate times the number of originating and terminating access minutes routed over the facility.
- When a tandem office is located within the operating territory of a Telephone Company, multiply the Tandem Switching rate times the number of originating and terminating access minutes that are switched at the tandem. (C)

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved (C)
(Cont.)

The tandem Switched Termination rate is applied as set forth in 6.1.2(A) following. The Switched Access Nonrecurring Charges are applied. (Note: The BP is not applied to the Switched Access Tandem Switched Termination rate or any Nonrecurring Charge.)

(3) For Feature Groups A, B, C, and d Direct Trunked Transport:

- multiply the number of airline miles as set forth in (a) preceding, times the BP for each Telephone Company, times the Direct Trunked Facility rate.
- The Direct Trunked Termination rate is applied as set both in 6.1.2(A) following. The Switched Access Nonrecurring Charges are applied. (Note: The BP is not applied to either the Switched Access Direct Trunked Termination rate or any Nonrecurring Charge.)

(4) For Feature Groups A, B, C, and D.

- When the end office is located within the operating territory of a Telephone Company, multiply the Residual Interconnection Charge rate times the number of originating and terminating access minutes that are switched at the end office.
- When the Entrance Facility and/or Multiplexing equipment is located within the operating territory of a Telephone Company, the Entrance Facility and/or Multiplexing charge will apply.
- The Billing Percentage (BP) is not applicable to the Residual Interconnection charge, Entrance Facility or Multiplexer. (C)

ISSUED: September 1, 1993 EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved
(Cont.)

- (5) For Special Access Service, determine the rate for the airline mileage determined in (1) preceding using the Telephone Company's tariff. Multiply such rate by the Telephone Company's billing percentage factor and divide by 100 to obtain the Channel Mileage element charges. (T)
- (6) Nonrecurring charges (NRCs) are not subject to jointly provided services. The Company's NRCs are developed based on Company specific operational costs and are one-time charges that apply for a company specific work activity (i.e., installation or change to an existing service), as set forth in Section 6.7.(C). Specific nonrecurring charges are set forth in Sections 7.5.5, 7.6.4, 7.7.5, and 7.8.5 (T)
- (G) The interconnection points will be determined by the Exchange Telephone Companies involved. The billing percentage (BP) factor for the Telephone Company for the service between the two involved offices is listed in Exchange Carrier Association Tariff F.C.C. No. 4.

ISSUED: September 1, 1993 EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

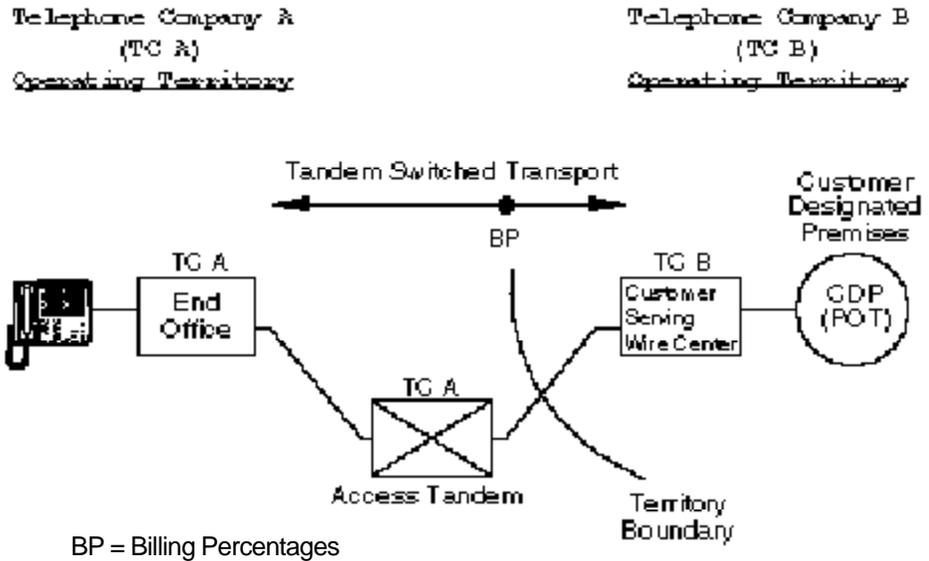
2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont.)

(H) Example - Switched Access

(1) Layout

- (a) FGC Switched Access is ordered to End Office A.
- (b) End Office A is in operating territory of Exchange Telephone Company A (ETCA).
- (c) Premises of ordering customer is in operating territory of Exchange Telephone Company B (ETCB).



SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved
(Cont.)

(2) The following example reflects the rate calculations for end office company (TC A). Rates for company (TC B) would appear in that company's access tariff. (C)

- Assume:

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

Billing Percentage (BP)

TC A = 80%

TC B = 20%

Access Minutes (AM) = 9000

Tandem Switched Facility Rate = TSF

Tandem Switched Termination Rate = TST

Tandem Switching Rate = TS

Residual Interconnection Charge = RIC

Carrier Common Line Charge = CCL

End Office Charges = EO (C)

ISSUED: September 1, 1993

EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved
(Cont.)

(3) Telephone Company A charges are:

Tandem Switched Facility charge
= 9,000 min. x 23 mi. x 80% x TSF rate

Tandem Switched Termination charge
= 9,000 min. x TST rate

Tandem Switching charge
= 9,000 x TS rate

Residual Interconnection Charge
= 9,000 min. x RIC rate

Carrier Common Line charge
= 9,000 min. x CCL rate

End Office Charges
= 9,000 min. x EO rates

(C)

(C)

(D)

(D)

ISSUED: September 1, 1993 EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

TARIFF F.C.C. NO. 1
FOURTH REVISED PAGE 66.2
CANCELS THIRD REVISED PAGE 66.2

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved
(Cont.)

(D)

(D)

ISSUED: September 1, 1993 EFFECTIVE: December 1, 1993
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

2.4.7 Ordering, Rating, and Billing of Access Services Where
More Than One Exchange Telephone Company is Involved (x)
(Cont.)

2.5 Connections

2.5.1 General

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

(x)

(x) The expiration date for meet point billing provisions has been deferred until further notice.

ISSUED: December 31, 1987 EFFECTIVE: August 31, 1988
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

Aggregator

Aggregator—Any person that, in the normal course of its operations, makes telephones available to the public or to transient users of its premises, for interstate telephone calls using a provider of operator services.

(N)
|
(N)

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

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 point of termination as an indication that the called party has answered or disconnected.

Attenuation Distortion

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

Balance (100 Type) Test Line

The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

Bit

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

Billing Company

The term "Billing Company" refers to the company responsible for administration and maintenance of an access billing system under a Meet Point Billing arrangement. The billing company assumes the responsibility for coordinating the resolution of billing disputes. In each instance where an adjustment is required, such billing adjustments will be rendered by the billing company with an indication of which Exchange Company's charges are being adjusted.

(N)
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(N)

(M) *
| |

(M) *

* Certain regulations previously found on this page can now be found on page 68.1

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

Detail Billing (M)

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.

*
|
|
(M) *

Directory Assistance (Interstate)

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 or 555-1212.

Dual Tone Multifrequency Address Signaling

The term "Dual Tone Multifrequency Address Signaling" denotes a type of signaling that is an optional feature of Switched Access Feature Group A. It may be utilized when Feature Group A is being used in the terminating direction (from the point of termination with the customer to the local exchange end office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the customer in the form of Dual Tone Multifrequency signals.

Echo Control

The term "Echo Control" denotes the control of reflected signals in a telephone transmission path.

Echo Path Loss (EPL)

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 (TLP).

* Certain regulations on this page formerly appeared on page 74.

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

Echo Return Loss (ERL)

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 ensure independent information transmission in both directions. Effective 2-wire channel 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 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 channel may be terminated with a 2-wire interface at a premises or central office.

*

* Certain material previously appearing on this page now appears on original page 76.1.

ISSUED: March 5, 1993

EFFECTIVE: May 1, 1993

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

800/888 Data Base Service

(T)

The term "800/888 Data Base Service" denotes an 800/888 service which allows an 800/888 subscriber to use any carrier (or more than one carrier) with any 800/888 number, and to change carriers without changing its 800/888 number, in effect it allows portability of 800/888 numbers.

(T)

800/888 Service

(T)

The term "800/888 Service" denotes a service in which subscribers agree in advance to pay for all calls made to them using a predesignated 800/888 number.

(T)

800/888 Data Base Basic Query

(T)

The term "800/888 Data Base Basic Query" denotes a query associated with a basic 800/888 record that does not require any complex handling, (i.e., vertical services). The 10 digit translation of the 800/888 number to determine the Carrier Identification Code (CIC) for an Interexchange Carrier is provided.

(T)

(T)

(T)

800/888 Data Base Enhanced Query

(T)

The term "800/888 Data Base Enhanced Query" denotes a query normally associated with an enhanced 800/888 record in which information is provided such as vertical services (time of day or day of week routing, POTS Translation, etc.).

(T)

(T)

End Office

The term "End Office" denotes the telephone company office from which the end user receives exchange service.

End Office Switch

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

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

Local Access and Transport Area (LATA)

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

Local Tandem Switch

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

Loop Around Test Line

The term "Loop Around Test Line" denotes an arrangement utilizing a Telephone Company central office to provide a means to make certain two-way transmission tests on a manual basis. This arrangement has two central office terminations, each reached by means of separate telephone numbers and does not require any specific customer premises equipment. Equipment subject to this test arrangement is at the discretion of the customer.

Loss Deviation

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

Meet Point Billing

The term "Meet Point Billing" denotes the arrangement which requires multiple Exchange Telephone Companies,

(N)
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(N)

* Certain regulations previously found on this page can now be found on page 83.1

(M) *

ISSUED: October 2, 1987

EFFECTIVE: January 1, 1988

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

Meet Point Billing (Cont.)

involved in providing applicable access services,
to divide the ordering, rating, and billing of such
services on a proportional basis, so that each
Exchange Telephone Company involved bills under its
respective tariff.

(N)

(N)

Message

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

(M) *

(M) *

* Certain regulations on this page formally appeared on page 83.

ISSUED: October 2, 1987

EFFECTIVE: January 1, 1988

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

Milliwatt (102 Type) Test Line

The term "Milliwatt (102 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the premises from the Telephone Company end office.

Network Control Signaling

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identification, 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.

Nonbilling Company

The term "nonbilling company" denotes the company not responsible for administration and maintenance of an access billing system in a particular local under a Meet Point Billing arrangement. Nonbilling companies, however, are responsible for providing billing companies all applicable tariff information, i.e., service rates and any adjustment to those rates, on a timely basis and upon request of the billing company.

(N)

(N)

Nonsynchronous Test Line

The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational

ISSUED: October 2, 1987

EFFECTIVE: January 1, 1988

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

Nonsynchronous Test Line (Cont.)

tests which are not as complete as those provided by the synchronous test lines, but can be made more rapidly.

North American Numbering Plan

The term "North American Numbering Plan" denotes a three-digit numbering plan area (NPA) code and a seven-digit telephone number made up of a three-digit central office (CO) code plus a four-digit station number.

(D)*

Off-Hook

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

On-Hook

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

Open Circuit Test Line

The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac open circuit termination of a trunk or line by means of an indicator of several Henries.

Originating Direction

The term "Originating Direction" denotes the use of access service for the origination of calls from an End User premises to an IC premises.

* Issued on not less than 15 days notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

Transmission Measuring (105 Type) Test Line/Responder

The term "Transmission Measuring (105 Type) Test Line/Responder" denotes an arrangement in an end office which provides far-end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Transmission Path

The term "Transmission Path" denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

Trunk

The term "Trunk" denotes a communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group

The term "Trunk Group" denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 2. GENERAL REGULATIONS (Cont.)

2.6 Definitions (Cont.)

(M)

Trunk Side Connection

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

Two-Wire to Four-Wire Conversion

The term "Two-Wire to Four-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity such as a central office switch trunk circuit or switching system.

(M)
(T)
(N)

V and H Coordinates Methods (M)

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 (V) and horizontal (H) coordinates of the two points.

(M)
(T)
(T)

WATS Serving Office

(M)

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 WATS or WATS-type services.

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.

(M)

Certain regulations on this page formerly appeared on pages 105 and 106 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

TARIFF F.C.C. NO. 1
ORIGINAL PAGE 97

SECTION 2. GENERAL REGULATIONS (Cont.)

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ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

TARIFF F.C.C. NO. 1
ORIGINAL PAGE 100

SECTION 2. GENERAL REGULATIONS (Cont.)

Reserved for Future Use

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (Cont.)

5.1 General (Cont.)

5.1.1 Ordering Conditions (Cont.)

Orders for Feature Group C Switched Access Service shall be by number of busy hour minutes of capacity.

5.1.2 Provision of Other Services

- (A) Testing Service, Additional Labor, Restoration Priority and Special Facilities Routing may be ordered with an Access Order as additional features at the time the order is accepted by the Telephone Company. The rates and charges for these services will apply in addition to the ordering charges set forth in this section and the rates and charges for the Access Service with which they are associated.
- (B) With the agreement of the Telephone Company, the items listed in (A) preceding may subsequently be added to the order at any time, up to and including the service date for the Access Service. When added subsequently, charges for order modifications as set forth in 5.2.2(C) following will apply.
- (C) 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 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. No. 5. When it is required, the customer will be so notified and will be furnished with a written statement setting

ISSUED: March 11, 1994

EFFECTIVE: April 26, 1994

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS
SERVICE (Cont.)

5.2 Access Order (Cont.)

- Switched Access Services as set forth in 6. following,
- Special Access Service as described in 7. following, and
- Other services as set forth in 5.1.2 preceding.

When ordering Switched Access service, the customer must specify whether the service is to be provided as (1) Direct Trunked Transport to the end office, (2) Direct Trunked Transport to a tandem which connects with Tandem Switched Transport from the tandem to the end office or (3) Tandem Switched Transport to the end office. When all or a portion of service is ordered as Direct Trunked Transport, the customer must specify the type and quantity of Direct Trunked Transport facility (e.g., Voice Grade or High Capacity DS1 or DS3).

The Customer must also specify the type of Entrance Facility to be used for Switched Access (e.g., Voice Grade or High Capacity). For High Capacity Entrance Facilities, the customer must specify the facility assignment and the channel assignment for each trunk.

Direct Trunked Transport is available at all tandems and at all end offices except those end offices identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. as not having the capability to provide Direct Trunked Transport. Direct Trunked Transport is not available: (1) from end offices that proved equal access through a centralized equal access arrangement, capability, and (3) for originating 800/888 calls from non-Service Switching Point (SSP) equipped end offices that can no accommodate direct trunking of originating 800/888 calls.

When the customer has both Tandem Switched Transport and Direct Trunked Transport at the same end office, the customer will be provided Alternate Traffic Routing as set forth in Section 6 following.

At customer request, their Local Transport may be connected to the Entrance Facility of another customer, providing the other customer requests this connection and assumes full responsibility for the cost of the Entrance Facility.

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (Cont.)

5.2 Access Order (Cont.)

When placing an order for Access Service, the customer shall provide, at a minimum, the following information:

- For Feature Group A Switched Access Service, the customer shall specify the number of lines and the first point of switching (i.e., dial tone office), the Local Transport options and Local Switching options desired. In addition, the customer shall specify whether the off-hook supervisory signalling 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. The customer shall also specify which lines are to be arranged in multiline hunt group arrangements and which lines are to be provided as single lines.
- For Feature Group B Switched Access Service, the customer shall specify the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and Local Transport options and Local Switching options desired. The customer shall also specify for terminating only access minutes, whether the trunks are to be arranged in trunk group arrangements or provided as single trunks.
- For Feature Group C and D Switched Access Service, the customer shall specify the number of busy hour minutes of capacity (BHMC) from the customer designated premises to the end office by Feature Group and by type of BHMC. This information is used

* Certain regulations on this page formerly appeared on page 107.

ISSUED: September 1, 1993 EFFECTIVE: December 1, 1993
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE
(Cont.)

5.2 Access Order (Cont.)

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., origination, terminating, or two-way) and the 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.

- For all Special Access Services, the customer must specify the customer designated premises or hubs involved, the type of service (e.g., Voice Grade, High Capacity, etc.), the channel interface, technical specification package and options desired. For multipoint services, the channel interface at each customer designated premises may, at the request of the customer, be different but all such interfaces shall be compatible.

- When the requested Special Access Service will be used for both state and interstate traffic, the customer must certify that the traffic consists of more than ten percent interstate traffic. (N) *
| |
(N) *

The BHMC may be determined by the customer in the following manner. For each day (8 a.m. to 11 p.m., 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

* Filed pursuant to the Federal Communications Commission's Decision and Order, CC Docket No. 78-72 and CC Docket No. 80-286, released July 20, 1989

Issued on not less than 30 days notice under authority of Special Permission Number 89-1026 of the Federal Communications Commission.

ISSUED: October 3, 1986

EFFECTIVE: January 28, 1990

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE
(Cont.)

5.2 Access Order (Cont.)

5.2.1 Access Order Charge (Cont.)

- 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 service rearrangements are necessary due to the surrendering of a Carrier Identification Code to the North American Numbering Plan Administration on or before January 1, 1993.
- When a Billing Name and Address Order Charge is applicable
- When a 900 Blocking Service charge is applicable
- Until July 1, 1994, the Telephone Company will not assess the customer any nonrecurring charges for service connection when the customer converts existing trunks from tandem-switched to direct trunk or from direct-trunk to tandem-switched or when the customer orders the disconnection of existing over-provisioned trunks as these activities relate only to network reconfiguration.
- When a customer requests a change of trunks from tandem switched transport to direct trunk transport or orders the disconnection of over-provisioned trunks, the non-recurring charges set forth in (Section 17.3.1(A)) (T) forthcoming do not apply providing:
 - ? The change is ordered anytime between June 17, 1997 and December 31, 1998 and
 - ? The change is completed no later than March 31, 1999 and
 - ? The orders to disconnect existing trunks and to connect the new trunks are placed at the same time.

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE
(Cont.)

5.2 Access Order (Cont.)

5.2.2 Access Order Service Date Intervals (Cont.)

- All part-time 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.
- 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 13.2.6(A) of the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. (T)
(T)

5.2.3 Miscellaneous Service Order Charge

A Miscellaneous Service Order Charge applies to any service, or combination of services ordered simultaneously from Section 11. of the Tariff for which a service order is not already pending (with the exception of Presubscription, Billing Name and Address Service, and 900 Blocking Service which do not have the charge applied). (S)
(S)

Section 11 concurs with Section 13 of the EXCHANGE CARRIER ASSOCIATION TARIFF, per Special Permission Number 86-696.

ISSUED: March 11, 1994

EFFECTIVE: April 26, 1994

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE
(Cont.)

5.2 Access Order (Cont.)

5.2.3 Miscellaneous Service Order Charge (Cont.)

A Miscellaneous Service Order Charge will apply, on a per order per occurrence basis. Applicable charge is set forth in Section 17.3.1(B).

(T)

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(M)*

5.2.4 Access Order Modifications

The customer may request a modification of its Access Order prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours the Telephone Company will notify the customer. If the customer still desires the Access Order modification the Telephone Company will schedule a new service date. All charges

*Certain regulations and charges previously found on this page can now be found on page 373.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.4 Access Order Modifications (Cont.)

for Access Order modifications 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 will be treated as a new Access Order (for the increased amount only).

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

(A) Service Date Change Charge/Dispatch Charge (C)

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 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 applied to the order.

If the service date is changed to an earlier date, and the Telephone Company determines

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS
SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.4 Access Order Modifications (Cont.)

(A) Service Date Change Charge/Dispatch Charge (Cont.) (C)

additional labor or extraordinary costs are necessary to meet the earlier service date requested by the customer, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in (D) following apply. Such charges will apply in addition to the Service Date Change Charge.

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 5.2.3 following. A new Access Order with the new service date will be issued. The Service Date change charge will not apply.

If the service date is changed due to a Design Change as set forth in (C) following, the Service Date Change Charge will apply.

(M)
|
(M)

Certain regulations previously found on this page can now be found on page 113.1

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.4 Access Order Modifications (Cont.)

(A) Service Date Change Charge/Dispatch Charge (Cont.)

Failure to notify, as noted below, the Telephone Company prior to the original service date to request a different service date will result in the application of a Service Date Change Dispatch Charge for installation, moves and rearrangement of services. If a Telephone Company technician is dispatched to the customer's premise on the scheduled service date and the customer is not ready to accept service or the customer has failed to notify the Telephone Company before 3:00 PM (EST) on the business day prior to the scheduled service date that the service date needs to be changed, a Service Date Change Dispatch Charge will apply.

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The applicable charge is set forth in Section 17.3.1(C).

(T)

(M)*

(M)*

A Service Date Change Dispatch Charge will apply per occurrence when a technician is dispatched to the customer's premises and the customer is not ready for service. The applicable charge is set forth in Section 17.3.1(D).

(T)

(M)*

(M)*

* Certain regulations and charges previously found on this page can now be found on page 373.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.4 Access Order Modifications (Cont.) (T)

(B) 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 will be treated as a partial cancellation and the charges as set forth in 5.2.3(B) following will apply.

(C) Design Change Charges

The customer may request a design change to the service ordered. 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 services ordered and/or requested changes to determine what design changes in the Telephone Company's facilities, if any, are necessary to meet the customer's request. A design change may include the cancellation or addition of optional features, functions, and type terminations. Design changes do not include a change of premises, end office switch, 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 as applied.

The Telephone Company will review the requested change, notify the customer whether the change can be accommodated and specify if a new

ISSUED: April 10, 1992

EFFECTIVE: May 25, 1992

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS
SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.4 Access Order Modifications (Cont.)

(C) Design Change Charges (Cont.)

service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply in addition to the charge for Additional Engineering as set forth in 13.1.1 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. If a change of service date is required, the Service Date Change Charge as set forth in (A) preceding will also apply.

The Design Change Charge will apply on a per order, per occurrence basis, for each order requiring a design change. The applicable charge is set forth in Section 17.3.1(E).

(T)

(M)*

(M)*

(D) Expedited Order Charge

A customer may request a service date that is prior to the applicable service date. The request for an earlier service date may occur prior to the issuance of an order or after the order has been issued but prior to the service date. 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. Such additional charges

* Certain regulations and charges previously found on this page can now be found on page 373.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.4 Access Order Modifications (Cont.)

(D) Expedited Order Charge (Cont.)

will be determined and billed to the customer as follows:

To calculate the additional labor charges, the Telephone Company will, upon customer authorization to incur such extra costs, keep track of the additional labor hours used to meet the request and will bill the customer according to the applicable rate detailed in 13.2.6(A) of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. (T)

To develop, determine and bill the customer the extraordinary costs which may be involved, the Special Construction terms and conditions as set forth in EXCHANGE CARRIER ASSOCIATION 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 EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 3. In no event will the customer be charged for more than 10 percent over the estimate. (T)

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

5.2.5 Cancellation of an Access Order

(A) A customer may cancel an Access Order for the installation of service on any date prior to the service date. The cancellation date

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE
(Cont.)

5.2 Access Order (Cont.)

5.2.5 Cancellation of an Access Order (Cont.) (T)

is the date the Telephone Company receives written or verbal notice from the customer that the order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days.

If a customer or customer's end user is unable to accept Access Service within 30 days of the original service date, the Access Order shall be considered cancelled and charges as set forth in (B) following will apply or, at the option of the customer, billing for the service will commence. In such instances, the cancellation date or billing date, depending on which option is selected by the customer shall be the 31st day beyond the original service date of the Access Order.

(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

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE
(Cont.)

5.2 Access Order (Cont.)

5.2.5 Cancellation of an Access Order (Cont.) (T)

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 charge is determined as detailed in (4) following.

(b) The charge for the minimum period of Switched or Special Access Service ordered by the customer.

(4) Charges applicable as specified in (3)(a) preceding 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.

(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 due to

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.5 Cancellation of an Access Order (Cont.)

circumstances over which it has direct control (excluding, e.g., acts of God, Governmental requirements, work stoppages, or civil commotions), the customer may cancel the access order without incurring cancellation charges.

5.2.6 Selection of Facilities for Access Orders

- (A) When there are High Capacity facilities to a hub on order or in service for a 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.
- (B) For all other Access orders, the option to request a specific transmission path or channel is not provided except as provided for under Special Facilities Routing as set forth in 11 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. (T)

5.2.7 Minimum Period

- (A) The minimum period for which Access Service is provided and for which charges are applicable is one month except for those usage rate services set forth in Section 6. (Switched Access Service) and 9. (Directory Assistance Service) and those services set forth in 6 (Switched Access High Capacity DS3 Entrance Facility and High Capacity DS3 Direct Trunked Transport), and Section 7 (High Capacity DS1 and DS3 Service), or as otherwise specified.

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS
SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.7 Minimum Period (Cont.)

(N)

(A) (Cont.)

The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis as set forth in Section 12. following, is one month unless a different minimum period is established with the individual case filing.

When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not, as follows:

(A) When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.

(B) When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, except for DS3 monthly service when provided, the applicable charge will be the lesser of (1) the Telephone Company's total nonrecoverable costs less the net salvage value for the discontinued service or (2) the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

(N)

ISSUED: September 1, 1993

EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.7 Minimum Period (Cont.)

- (C) The minimum period for part-time 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.).

5.2.8 Minimum Period Charges

When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the remaining months and/or fraction thereof 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 each month and/or fraction thereof is equal to the applicable minimum monthly rates for the capacity as set forth in 6.7.3 following. The minimum period is one month.
- (B) For Special Access Service, the charge for each month and/or fraction thereof is the applicable monthly rates for the appropriate channel type as set forth in Section 17.2 following. (T)
The minimum period is one month.

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.8 Minimum Period Charges (Cont.)

The Minimum Period Charge for part-time Program Audio Services is the applicable daily rate for the appropriate channel type as set forth in 7.6 following.

5.2.9 Shared Use Facilities

Shared Use (i.e., Switched and Special Access Services provided over the same High Capacity facilities) is allowed. Shared use facilities to a hub will be ordered and provided as Special Access Service. While shared use is allowed, individual services utilizing these facilities must be ordered as Switched Access Service or Special Access Service. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

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

- (A) 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. (C)

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS
SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.10 Access Orders For Service Provided By More Than One Telephone Company (Cont.) (T)

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 that the Multiple Company Billing procedures apply. (X)

(x) The expiration date for meet point billing provisions has been deferred until further notice.

ISSUED: April 10, 1992

EFFECTIVE: May 25, 1992

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS
SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.10 Access Orders For Services Provided By More Than One
Telephone Company (Cont.) (T)

- (1) Multiple Company (Interconnection Point)
Billing

Each Telephone Company will provide its
portion of the Access Service within its

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS
SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.10 Access Orders For Services Provided By More Than
One Telephone Company (Cont.) (T)

(1) Multiple Company (Interconnection Point)
Billing (Cont.)

operating territory to an interconnection point(s) (IP) with the other Telephone Company(s). The interconnection point(s) and billing percentages will be determined by the Telephone Companies involved in providing the Access Service and listed in EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 4. Each Telephone Company will bill the customer for its portion of the services as set forth in 2.4.7(A-H). All other appropriate charges in each Telephone Company tariff are applicable.

- (a) For Feature Group A 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). In addition, the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer.

ISSUED: April 10, 1992

EFFECTIVE: May 25, 1992

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS
SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.10 Access Orders For Services Provided By More Than
One Telephone Company (Cont.) (T)

- (b) For Feature Group B Switched Access Service ordered to an end office, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer. In addition, the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer.
- (c) For Feature Group B Switched Access Service ordered to an access tandem, the Exchange Telephone Company in whose operating territory the access tandem is located must receive the order from the customer. In addition, the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer.
- (d) 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. In addition, the Exchange Telephone Company in whose operating territory the customer point of termination is located must also receive a copy of the order from the customer. Customers other

ISSUED: April 10, 1992

EFFECTIVE: May 25, 1992

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS
SERVICE (Cont.)

5.2 Access Order (Cont.)

5.2.10 Access Orders For Services Provided By More Than (T)
One Telephone Company (Cont.)

(1) Multiple Company (Interconnection Point)
Billing (Cont.)

than AT&T 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.

(e) 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 co-located.

(f) Except for Special Access Service as set forth in (e) above or as set forth in (g) below, the customer may place the order for a Special Access Service with either Exchange Telephone Company. In addition, the

ISSUED: April 10, 1992

EFFECTIVE: May 25, 1992

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE
(Cont.)

5.2 Access Order (Cont.)

5.2.10 Access Orders For Services Provided By More Than One Telephone Company (Cont.)

(1) Multiple Company (Interconnection Point)
Billing (Cont.)

other Exchange Telephone Company must receive a copy of the order from the customer.

- (g) 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. In addition, the Exchange Telephone Companies in whose operating territory a customer premises is located must receive copies of the order from the customer.
- (h) For Directory Assistance Service, the customer must place an order with the Telephone Company in whose operating territory the Directory Assistance Location is located. In addition, the Exchange Telephone Companies not providing the Directory assistance Location must receive copies of the order from the customer.
- (i) For initiation, additions, changes or deletions to the Interim NXX NXX 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.
- (C) (C) (C)

ISSUED: September 1, 1993

EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE
(Cont.)

5.2 Access Order (Cont.)

5.2.10 Access Orders For Services Provided By More Than (T)
One Telephone Company (Cont.)

(B) When FGA is ordered in a multi-Telephone Company provided Extended Area Service area, or FGB is ordered in a multi-Telephone Company access tandem arrangement the customer must provide a copy of the order to all Secondary Exchange Carriers. Each Exchange Carrier will bill as set forth in 2.4.7 preceding.

5.2.11 Customer Specification of Feature Group (T)
Directionality

The Telephone Company will work cooperatively with the directionality of the trunk group (i.e., originating, terminating or two-way) in lieu of Telephone Company specification. This option is provided with all available feature groups. This option is free of charge at the time the access order is made. Changes in directionality after service is effective will incur charges as detailed in 5.2.2(C) prior.

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SECTION 5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE
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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE

6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path between a customer's designated premises and an end user's premises. It provides for the use of common terminating, switching and trunking facilities and for the use of common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's designated premises, and to terminate calls from a customer's designated premises to an end user's premises in the exchanges where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.2 following.

Rates and charges for Switched Access Service depend generally on the specific Feature Group ordered by the customer, e.g., for MTS or WATS services or MTS/WATS equivalent services, and whether it is provided in a Telephone Company end office that is equipped to provide equal access. Rates and charges for Switched Access Service are set forth in Section 17.2 following. The Application of rates for Switched Access Service is described in 6.7 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interexchange toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.2.1(A)(7), 6.2.1(B)(3), 6.2.2(A)(5), 6.2.2(A)(4), 6.2.3(A)(5), 6.2.4(A)(4), 6.7.8 and 6.7.11 following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.7.9 following.

(T)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.1 Feature Group Arrangements and Manner of Provision
(Cont.)

(C) Feature Group C (FGC) (Cont.)

terminating FGC Access is available only to providers of MTS and WATS. Originating FGC Access is available to all customers when used to provide the Interim NXX Translation optional feature. This service is available in all end offices which are not equipped for Feature Group D End Office Switching. Existing FGC Access will be converted to Feature Group D Access when it becomes available in an end office. Special Access Services utilized for connection with FGC at Telephone Company designated WATS Serving Offices as set forth in 7. following may be ordered separately by a customer other than the customer which orders to FGC Switched Access Service (i.e., a provider of MTS and WATS) for the provision of WATS Services. Special Access Services are ordered as set forth in 5.2 preceding. A more detailed description of FGC Access is provided in 6.2.3 following.

(C)

(D) Feature Group D (FGD)

FGD Access provides trunk side access to Telephone Company end office switches with an associated access codes for the customer's use in originating and terminating communications. Special Access Services utilized for connection with FGD at Telephone Company designated WATS Serving offices as set forth in Section 7 following may be ordered

ISSUED: September 1, 1993 EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.1 Feature Group Arrangements and Manner of Provision
(Cont.)

(D) Feature Group D (FGD) (Cont.)

separately by a customer other than the customer which orders the FGD Switched Access Service for the provision of WATS or WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding. A more detailed description of FGD Access is provided in 6.2.4 following.

(N)
|
(N)

(E) Manner of Provision

(T)

Switched Access is furnished in either quantities of lines or trunks, or in busy hour minutes of capacity (BHMCs). FGA Access and FGB Access are furnished on a per-line basis or per trunk basis, respectively. FGC Access FGD Access are furnished on a BHMC basis. FGD may also be provided to customers other than AT&T on a per trunk basis as set forth in 5.2 preceding.

(N)
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(N)

BHMCs are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic among BHMC types is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer.

There are two major BHMC categories identified as: Originating and Terminating. Originating BHMCs represent access capacity within an exchange for carrying traffic from the end user to the customer; Terminating

(M) (*)

* Certain regulations previously found on this page can now be found on page 143.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.1 Feature Group Arrangements and Manner of Provision
(Cont.)

(E) Manner of Provision (Cont.)

BHMCs represent access capacity within an exchange for carrying traffic from the customer to the end user. When ordering capacity for FGC or FGD Access, the customer must at a minimum specify such access capacity in terms of Originating BHMCs and/or Terminating BHMCs.

Because some customers will wish to further segregate their originating traffic into separate trunk groups or because segregation may be reviewed by network considerations, Originating BHMCs are further categorized into Domestic, 800/888, 900, Operator and International DDD (IDDD). Domestic BHMCs represent access capacity for carrying only domestic traffic other than 800/888, 900 and Operator traffic; IDDD BHMCs represent access capacity for carrying only international traffic; and, 800/888, 900 and Operator BHMCs represent access capacity for carrying, respectively, only 800/888, 900 or Operator traffic. When ordering such types of access capacity, the customer must specify Domestic, 800/888, 900, Operator or IDDD BHMCs. (T)

6.1.2 Rate Categories

There are four rate categories which apply to Switched Access Service:

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

- Local Transport (described in 6.1.2(A) following)
- End Office (described in 6.1.2(B) following)
- Chargeable Optional Features (described in 6.1.2(C) following).
- Common Line (described in Sections 3 and 4 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5.) (T)
(T)

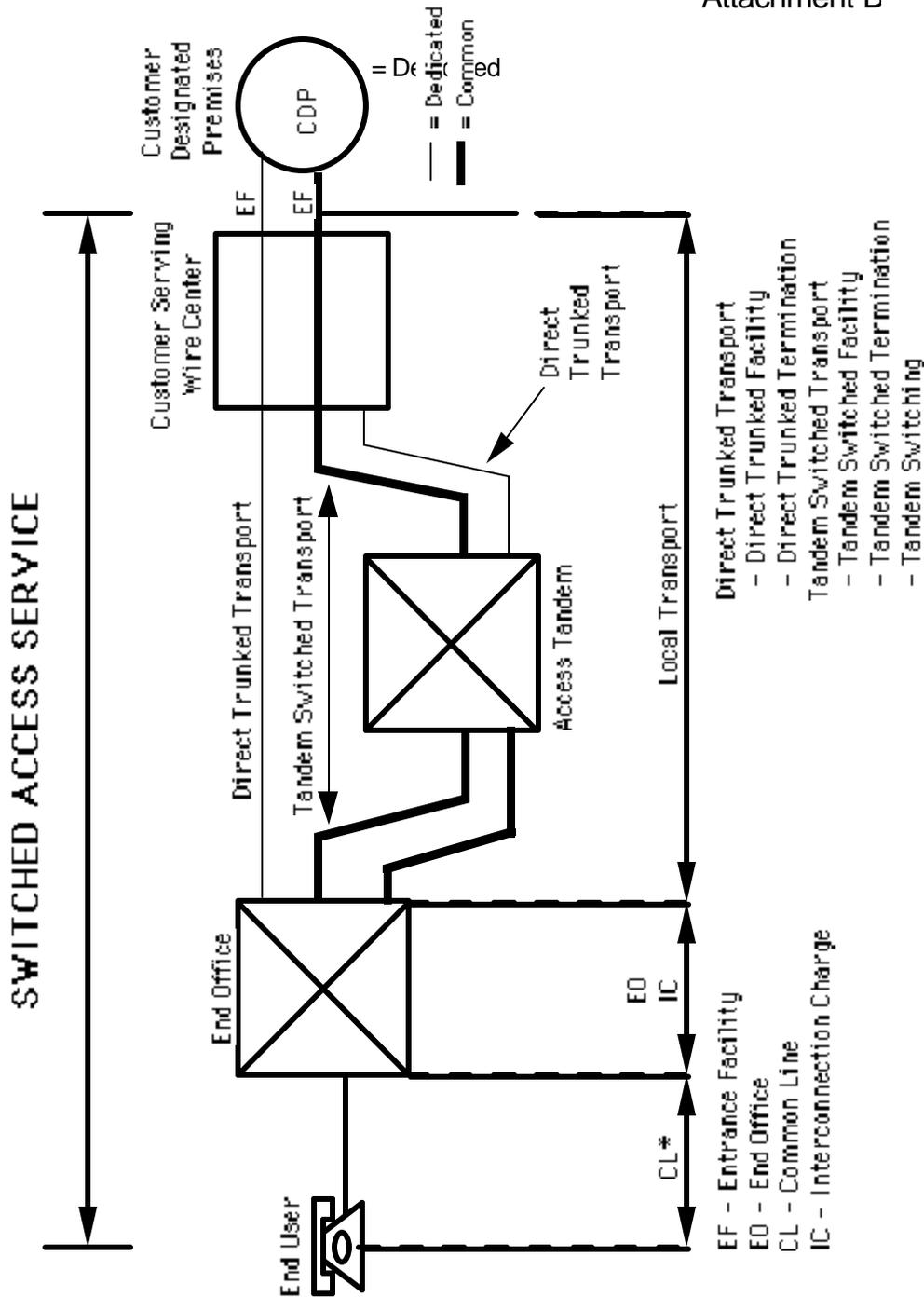
The following diagram depicts a generic view of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service.

See Attachment B

(A) Local Transport

The Local Transport rate category provides the transmission facilities between the customer's designated 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 Facility mileage, distance will be measured as airline mileage from the wire center that normally serves the customer's designated premises to the end office switch(es). Exceptions to the Local Transport Facilities

Attachment B



* Common Line access is provided under Sections 3 and 4 preceding.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

measurement roles are set forth in 6.7.11 following 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 designated premises) and in the terminating direction (from the customer's designated 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.

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

The Local Transport rate category includes Entrance Facilities, Transport Facility, and Transport Termination. Local Transport is provided as Direct-Trunked Transport.

(D)
(D)

Interconnection with the telephone company switched access

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

network; the Entrance Facilities, Transport Facility and Transport Termination charges vary depending on the configuration chosen by the customer.

(1) Entrance Facilities

Entrance Facilities provide transport from the interexchange carrier or other customer's point of demarcation to the serving wire center.

- (a) Three types of Entrance Facility may be available:
(1) Voice Grade 2 or 4 wire (an analog channel with an approximate bandwidth of 300 to 3000 hz),
(2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps)
and (3) High Capacity DS3 (and isochronous serial digital channel with a rate of 44.736 Mbps).
The minimum period for which a DS3 Entrance Facility is provided is twelve months.

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

At customer request, their Local Transport may be connected to the Entrance Facility of another customer, providing the other customer requests this connection and assumes full responsibility for the cost of the Entrance Facility.

(D)
|
(D)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

(2) Tandem-Switched Transport (Cont.)

(a) Transport Facility

The Transport Facility charge is assessed to recover the costs of the transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuit.

(b) Transport Termination

The Transport Termination charge is assessed to recover the costs of the circuit equipment at the ends of the interoffice transmission links.

(3) Direct -Trunked Transport

Direct-Trunked Transport provides transport from the serving wire center to the end office on circuits dedicated to the use of a single interexchange carrier or other person, without switching at the tandem.

Direct Trunked Transport is not available: (1) from end offices that provide equal access through a centralized equal access arrangement, (2) from end offices that lack recording or measurement capability, and (3) for originating 800/888 calls (T)
from non-Service Switching Point (SSP) equipped end offices that can not accommodate direct trunking of originating 800/888 calls. (T)

Three types of Direct Trunked Transport may be available: (1) Voice Grade (an analog channel with an approximate bandwidth of 300 to 3000 Hz), (2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps), and (3) High Capacity DS3 (an isochronous serial digital channel with a rate of 44.736 Mbps). The minimum period for which a High Capacity DS3 Direct Trunked Transport is provided is twelve months.

ISSUED: February 14, 1996

EFFECTIVE: March 1, 1996

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

(6) Dedicated Signaling Transport

The Dedicated Signaling Transport charge is computed to cover transport costs of out-of-band signaling information between an interexchange carrier or other person's common channel signaling network and a telephone company's signaling transport point of facilities dedicated to the use of a single customer. The dedicated signaling transport shall consist of two subelements, a signaling link charge and a signaling transfer point (STP) port termination charge.

(a) Signaling Link

Signaling links are the digital transmission paths that convey signaling messages within the common channel signaling (CCS) network. The Signaling Link charge is assessed upon all interexchange carriers and other persons that use facilities between an interexchange carrier or other person's common channel signaling network and a telephone company signaling transfer point.

(b) Signaling Transfer Point (STP) Port Termination

Signaling points (SPs) are nodes in the CCS network that either originate and receive signaling messages, or transfer messages from one signaling link to another, or both. The Transport Termination charge is assessed to recover the costs of the Local Exchange Carrier STP port at which the signaling link terminates.

(M)
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(M)

* Certain regulations previously found on this page now appear on page 146.5.

ISSUED: March 11, 1994 EFFECTIVE: April 26, 1994
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

(7) Multiplexing

DS3 to DS1 Multiplexing charges specified in section 17.1.1(C) following apply when a High Capacity DS3 Entrance Facility or High Capacity DS3 Direct Trunked Facility is connected with High Capacity DS1 Direct Trunked Transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(T)

DS1 to Voice Grade Multiplexing charges apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Facility is connected with Voice Grade Direct Trunked Transport. However, a DS1 to Voice Grade Multiplexing charge does not apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is terminated at an electronic end office and only Switched Access Service is provided over the DS1 facility (i.e., Voice Grade Special Access channels are not derived). The DS1 to Voice Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

Multiplexing is only available at wire centers identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION.

The Direct-Trunked Transport rates are made up of a Transport Termination rate which is assessed on a per transmission path per access minute basis, and a Transport Facility rate

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

assessed on a per mile per access minute basis. The Transport Termination rate provides for the communications frequency transmission path at the Telephone Company switching office and includes the Local Transport portion of Central Office Switching and Central Office Circuit equipment (e.g., signaling, transmission devices, padding, carrier channels, etc.). The Transport Termination rate applies at the first point of switching (i.e., dial tone office) for FGA, access tandem or end office for FGB (to wherever the FGB service is ordered) and the end office FGC and FGD and at the IC servicing wire center. The Transport Termination rate will also apply if the IC serving wire center and the end user serving wire center are collocated (where V/H-V/H=0). The Transport Termination rate will apply once to each Switched Access Service. The Transport Facility rate provides for the frequency transmission path and for that portion of Local Transport which extends beyond the Telephone Company end office and includes both the physical (or derived) outside plant facilities and necessary transmission equipment (repeaters, etc.) including that which may be found at intermediate offices. The Transport Facility rate will not apply if the IC serving wire center and the end user serving wire center are collocated.

(T)

(T)

(T)

(T)

(T)

(T)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

Notwithstanding the preceding paragraph, when more than one Telephone Company is involved in providing the Switched Access Service, the Local Transport rates are applied as set forth in 2.4.7 preceding, with one-half the Transport Termination rate applied at each end of the overall service.

Local Transport is provided at the rates and charges set forth in 17.1.1 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.1(D) following. (T)

Local Transport for Feature Groups A, B, C, and D Switched Access Service connected with Special Access Service at a WATS Serving Office will be measured between the WATS Serving Office (when measured access minutes of use are used) or between the Feature Groups A or B entry switch (when assumed minutes of use are used) and the serving wire center for the customer designated premises. Transport Termination and Facility rates will apply to this Local transport measurement as set forth in 17.1.1 following. (T)

(1) Interface Groups

Ten Interface Groups are provided for terminating the Local Transport at the customer's designated premises. Each Interface Group provides a specified premises interface (e.g., two-wire,

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

(M)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

(1) Interface Groups (Cont.)

four-wire, DS1, etc.). Where transmission facilities permit, the individual transmission path between the customer's designated premises and the first point of switching may at the option of the customer be provided with optional features as set forth in (2)(a) and (b) following.

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premise, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's designated premises. For example, if a voice frequency interface is ordered by the customer's designated premises are digital, then Telephone Company channel bank equipment must be placed at the customer's designated premises in order to provide the voice frequency interface ordered by the customer.

Technical specifications concerning the available interface groups are set

(M)

Certain regulations on this page formerly appeared on page 175 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

(1) Interface Groups (Cont.)

forth in 15.1 of NATIONAL EXCHANGE CARRIER (T)
ASSOCIATION TARIFF F.C.C. NO. 5. (T)

(2) Nonchargeable Optional Features

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

(a) Supervisory Signaling

Where the 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 15.1.12 of NATIONAL EXCHANGE (T)
CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. (T)

(b) Customer Specified Entry Switch Receive Level

This feature allows the customer to specify the receive transmission level at the first point of switching. The range of

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

(M)

6.1.2 Rate Categories (Cont.)

(A) Local Transport (Cont.)

(2) Nonchargeable Optional Features (Cont.)

(b) Customer Specified Entry Switch
Receive Level (Cont.)

transmission levels which may be specified is described in Technical Reference PUB 62500. This feature is available with Interface Groups 2 through 10 for Feature Group A and B.

(c) Customer Specification 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 termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications.

(B) End Office

The End Office rate category provides the local end office switching and end user termination functions necessary to complete the transmission of Switched Access

(M)

Certain regulations on this page formerly appeared on pages 175.1 and 175.2 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(B) End Office (Cont.)

communications to and from the end users served by the local end office. The End Office rate category includes the Local Switching and Line Termination rate elements. The applicable rates for Directory Assistance Information Surcharge are set forth in Section 17.1.2(B) following. Such rates are assessed to a customer based on the total number of access minutes. (T)

(1) Local Switching

The Local Switching rate element provides for the use of end office switching equipment. It is divided into two distinct categories, i.e., LS1 and LS2. The first category, LS1, provides local dial switching for Feature Group A and B except for Feature Group B when utilized to provide MTS/WATS service. The second category, LS2, provides local dial switching for Feature Group C and D and for FGB when utilized to provide MTS/WATS service. When end offices are appropriately equipped, international dialing may be provided as a capability associated with LS2 which provides local dial switching for Feature Group C and D. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(B) End Office (Cont.)

(1) Local Switching (Cont.)

switched through a standard FGC or FGD equipped end office.

Rates for Local Switching are set forth in 17.1.2(A) following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.1(D) following. (T)

There are two types of local switching functions, i.e., Common Switching functions and Transport Termination functions. These are described in (a) and (b) following.

(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 the various Feature Group arrangements are described in 6.2 following.

Switching originating 800/888 (e.g., 1+800/888+NXX-XXXX) access is different than switching originating access for ordinary interexchange calls because the Company must route the 800/888 calls to the carrier selected by the 800/888 service prescribed (the called party),

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(B) End Office (Cont.)

(1) Local Switching (Cont.)

(b) Transport Termination (Cont.)

which terminate the Local Transport facilities. Included as part of Transport Termination are various nonchargeable optional termination arrangements. These optional terminating arrangements are described in 6.3.2 following.

The number of Transport Terminations provided will be determined by the Telephone Company as set forth in 6.5.6 following.

ISSUED: March 5, 1993

EFFECTIVE: May 1, 1993

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(B) End Office (Cont.)

(1) Local Switching (Cont.)

There are two types of Line Terminations, i.e., Common Line Terminations and Special Access Service Terminations utilized in the provision of WATS or WATS-type services at Telephone Company designated WATS Serving Offices.

The above Special Access Service Terminations are differentiated by line side vs. trunk side terminations. In addition, there are various types of originating and terminating line side terminations depending on the type of signaling associated with the Special Access Service. Line side terminations are available with either dial pulse or dual tone multi-frequency address signaling.

The local switching rate is set forth in 17.1.2(A) following. The application of this rate with respect to individual Feature Groups is as set forth in 6.7.1(D) following.

(T)

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(B) End Office (Cont.)

(1) Local Switching (Cont.)

The number of end office switching transmission paths will be determined as set forth in 6.5.5 following.

(2) Directory Assistance Information Surcharge

Directory Assistance Information Surcharge rates are assessed to a customer based on the total number of access minutes. Directory Assistance Information Surcharge rates are as set forth in 17.1.2(B) following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.1(D) following.

(T)

(C) Chargeable Optional Features

Where facilities permit, the Telephone Company, will at the Option of the customer, provide the following chargeable optional features.

(1) Interim NXX Translation

The Interim NXX Translation rate elements provide for customer identification of calls dialed by end users of the form 1+800/888+NXX-XXXX. The NXX codes are assigned to specific customers in conformance with the North American Numbering Plan (NANP). NXX code assignment(s) will be made by the Bellcore NANP Coordinator. The Telephone

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.2 Rate Categories (Cont.)

(C) Chargeable Optional Features (Cont.)

(1) Interim NXX Translation (Cont.)

Company will use the NXX code to identify the customer to whose point of termination the traffic is to be delivered, (i.e., at appropriately equipped electronic end offices, access tandems or through contracted arrangements with other parties). It is then the responsibility of the customer to do any further translation the customer deems necessary and route the call. Customer assigned NXX codes which have not been ordered will be blocked.

Nonrecurring and/or recurring rates are associated with this optional feature. The nonrecurring rate is assessed on a per order, per Telephone Company, per LATA or Market Area basis. The recurring charge is assessed only by the Telephone Company that provides the translation function. As telephone companies providing this service may do so through a variety of facility arrangements, either the nonrecurring, recurring or both charges, as defined on an Individual Case Basis following, will be applicable. The application of these rates with respect to Feature Group C and Feature Group D is as set forth in 6.7.1(D) following.

6.1.3 Special Facilities Routing

Any customer may request that the facilities used to provide Switched Access Service be specially

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.3 Special Facilities Routing (Cont.)

routed. The regulations, rates and charges for Special Facilities Routing (i.e., Advance, Diversity and Cable-Only) are set forth in 11. of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF NO. 5. (T)

6.1.4 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.

6.1.5 Testing

(A) Acceptance Testing

At no additional charge, the Telephone Company will at the customer's request, cooperatively test installed services at the time of installation. Tests to be conducted will be as mutually agreed upon by the Telephone Company and the customer.

(B) Routine Testing

At no additional charge, the Telephone Company will, at the customer's request, test after installation on an automatic or

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.1 General (Cont.)

6.1.5 Testing (Cont.)

(B) Routine Testing (Cont.)

manual basis, 1004 Hz loss, C-message noise and Balance (Return loss).

In the case of automatic testing, the customer shall provide remote office test lines and 105 test lines with associated responders or their functional equivalent.

The frequency of these tests will be that which is mutually agreed upon by the customer and the Telephone Company, but shall consist of not less than quarterly 1004Hz Loss and C-message noise tests and an annual Balance test. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

Additional tests may be ordered, and charges for such tests are set forth in 13.3.5 of NATIONAL (T)
EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. (T)

6.1.6 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions set forth in Section 5.2 preceding. Also included in that section are other charges which may be associated with ordering Switched Access Service (e.g., Service Date Charge Changes, Cancellation Charges, etc.).

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

There are various optional features available with the Feature Groups. These additional optional features are provided as Local Transport, Common Switching, Transport Termination or Interim NXX Translation options. (T)

Following are detailed descriptions of each of the available Feature Groups. Each Feature Group is described in terms of its specific physical characteristics and calling patterns, the transmission specifications with which it is provided, optional features available for use with it and the standard testing capabilities.

The Common Switching and Transport Termination optional features, which are described in 6.3 following unless specifically stated otherwise, are available at all Telephone Company and office switches.

6.2.1 Feature Group A (FGA)

(A) Description

- (1) FGA is provided in connection with Telephone Company electronic and electromechanical end offices. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.
- (2) FGA provides a line side termination at the first point of switching (dial tone office). The line side termination will

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.1 Feature Group A (FGA) (Cont.)

(A) Description (Cont.)

be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer.

- (3) The Telephone Company shall select the first point of switching, within the selected exchanges, at which the line side termination is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities, where necessary, are available to accommodate such a request. (C)*
- (4) A seven digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

If the customer requests a specific seven digit telephone number that is not currently assigned, and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

* Issued on not less than 15 days notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.1 Feature Group A (FGA) (Cont.)

(A) Description (Cont.)

- (5) FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multi-frequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.
- (6) No address signaling is provided by the Telephone Company when FGA Switching is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the customer's end user using in-band tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (7) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the Telephone Company's exchanges, local operator service (C)*

* Issued on not less than 15 days notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

(M)

6.2.1 Feature Group A (FGA) (Cont.)

(A) Description (Cont.)

(0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate digits). Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed on a separate account for (1) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, and (2) calls from an FGA line to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

(M)

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(M)

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(M)

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(D)

Certain regulations on this page formerly appeared on pages 182 and 183 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.1 Feature Group A (FGA) (Cont.)

(A) Description (Cont.)

- (8) When an FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

(B) Optional Features

(1) Common Switching Optional Features

- (a) Hunt Group Arrangement
- (b) Uniform Call Distribution Arrangement
- (c) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement
- (d) Call Denial
- (e) Service Code Detail
- (f) Hunt Group Arrangement for use with Special Access Service utilized in the provision of WATS-type services

(N)*
| |
(N)*

* Issued on not less than 15 days notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

Certain regulations previously found on this page can now be found on Original Page 165.1.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.1 Feature Group A (FGA) (Cont.)

(B) Optional Features (Cont.)

- | | |
|--|---------|
| (g) Uniform Call Distribution Arrangement
for Use with Special Access Service
utilized in the provision of WATS-type
Services | (N) * |
| (h) Nonhunting Number for Use with Hunt Group
Arrangement or Uniform Call Distribution
Arrangement for Use with Special Access
Service utilized in the provision of
WATS-type Services | |
| (i) Band Advance Arrangement for Use with
Special Access Service utilized in the
provision of WATS-type Services | (N) * |
| (2) <u>Transport Termination Optional Features</u> | (M) * * |
| (a) Two-way operation with dial pulse
address signaling and loop start
supervisory signaling | |
| | (M) * * |

* Issued on not less than 15 days notice under authority of
Special Permission Number 87-274 of the Federal
Communications Commission.

** Certain regulations appearing on this page were previously
found on Original Page 165.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

(M)

6.2.1 Feature Group A (FGA) (Cont.)

(B) Optional Features (Cont.)

(2) Transport Termination Optional Features
(Cont.)

- (b) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (c) Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (d) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (e) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (f) Terminating operation with dial pulse address signaling and ground start supervisory signaling
- (g) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling

(M)

Certain regulations on this page formerly appeared on page 184 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

(M)

6.2.1 Feature Group A (FGA) (Cont.)

(B) Optional Features (Cont.)

(2) Transport Termination Optional Features
(Cont.)

(h) Terminating operation with dual
tone multifrequency address
signaling and ground start
supervisory signaling

(i) Originating operation with loop
start supervisory signaling

(j) Originating operation with ground
start supervisory signaling

(3) Local Transport Optional Features

(a) Supervisory Signaling (as set forth
in 6.1.2(A)(2)(a) preceding)

(M)
(T)

(b) Customer Specified Entry Switch
Receive Level

(M)

(4) Certain other features which may be
available in connection with Feature
Group A are provided under the Telephone
Company's local and/or exchange service
tariffs. These are:

- (a) Speed Calling
- (b) Remote Call Forwarding
- (c) Bill Number Screening
- (d) IntraLATA Extensions

(M)

Certain regulations on this page formerly appeared on
pages 184 and 184.1 of the EXCHANGE CARRIER ASSOCIATION
TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.1 Feature Group A (FGA) (Cont.)

(C) Transmission Specifications

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.

(D) Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in 6.1.5 preceding which are included with the installation of service and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Manual Testing and Additional Manual Cooperative Testing are available as set forth in 13.3.5 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5.

(T)
(T)

6.2.2 Feature Group B (FGB)

(A) Description

- (1) FGB, when directly routed to an end office (i.e., provided without the use of an

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

(M)

6.2.2 Feature Group B (FGB) (Cont.)

(A) Description (Cont.)

access tandem switch), is provided at appropriately equipped Telephone Company electronic end office switches. When provided via Telephone Company designated electronic access tandem switches, FGB switching is provided at Telephone Company electronic and electromechanical end office switches.

- (2) FGB is provided as truck side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.
- (3) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.3 following, any other address signaling in the originating direction, if required by the customer, must be provided by the customers end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

(M)

Certain regulations on this page formerly appeared on page 185 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: November 14, 1988

EFFECTIVE: January 1, 1989

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.2 Feature Group B (FGB) (Cont.)

(A) Description (Cont.)

- (4) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-10XX for carriers. One uniform access code will be assigned to the customer for the customer's domestic communications and another will be assigned to the customer for its international communications, if required. These uniform access codes will be the assigned access numbers of all FGB switched access service provided to the customer by the Telephone Company.
- (5) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the exchanges, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Service. Additionally, non-access (C)*

* Issued on not less than 15 days notice under authority of special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.2 Feature Group B (FGB) (Cont.)

(A) Description (Cont.)

charges will also, be billed for calls from a FGB trunk to another customer's service in accordance with that customer's application service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-10XX access codes, local operator assistance (0- and 0+), service codes 611 and 911 or 10XXX access codes.

FGB may not be switched, in the terminating direction, to Switched Access Services Feature Groups B, C, and D. (N)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (7) When all FGB switching arrangements are discontinued at an end office and/or in

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.2 Feature Group B (FGB) (Cont.)

(B) Optional Features (Cont.)

- (2) Transport Termination Optional Features
 - (a) Rotary Dial Station Signaling
- (3) Local Transport Optional Features
 - (a) Customer Specification of Local Transport Termination
 - (b) Supervisory Signaling (as set forth in 6.1.2(B)(2)(a) preceding)
 - (c) Customer Specified Entry Switch Received Level
- (4) Another feature, Bill Number Screening, which may be available in connection with FGB, is provided under the Telephone Company's local and/or general exchange service tariffs.

(M)*

(M)*

* Certain regulations appearing on this page were previously found on Original Page 172.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.3 Feature Group C (FGC)

(A) Description

- (1) FGC is provided at all Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. FGC switching is providing to the customer (i.e., originating and terminating FGC switching is available to providers of MTS and WATS, and originating FGC switching is available to all customers when used to provide the Interim NXX Translation optional feature) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided. (T)
- (2) FGC is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, delay dial start-pulsing signals will be provided, unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

(M)

6.2.3 Feature Group C (FGC) (Cont.)

(A) Description (Cont.)

- (3) FGC is provided with multi-frequency address signaling except in certain electromechanical end office switches where multi-frequency signaling is not available. In such switches, the address signaling will be dial pulse, reverteive pulse, immediate dial pulse or panel call indicator signaling, whichever is available. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (4) No access code is required for FGC switching. The telephone number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the

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Certain regulations on this page formerly appeared on page 189 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

(M)

6.2.3 Feature Group C (FGC)

(A) Description (Cont.)

end office is equipped for International
Direct Distance Dialing (IDDD),
01 + CC + NN or 011 + CC + NN.

- (5) FGC switching, when used in the
terminating direction, may be used
to access valid NXXs in the LATA, time
or weather announcement services of the
Telephone Company, community information
services of an information provider,
and other customers' services (by
dialing the appropriate codes) when the
services can be reached using valid NXX
codes. When directly routed to an end
office, only those valid NXX codes
served by that office may be accessed.
When routed through an access tandem,
only those valid NXX codes served by
offices subtending the access tandem may
be accessed. Where measurement
capabilities exist, the customer will
also be billed additional non-access
charges for calls to certain community
information services, for which rates are
applicable under Telephone Company exchange
service tariffs, e.g., 976 (DIAL-IT)
Network Services. Additionally, non-access
charges will also be billed for calls
from an FGC trunk to another customer's
service in accordance with that customer's
applicable service rates when the

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Certain regulations on this page formerly appeared on
pages 189 and 190 of the EXCHANGE CARRIER ASSOCIATION TARIFF
F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provisions and Description of Switched Access Service
Feature Groups (Cont.)

6.2.3 Feature Group C (FGC) (Cont.)

(A) Description (Cont.)

Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-10XX access codes, local operator assistance (0- and 0+), service codes 611 and 911 and 10XXX access codes.

FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C, or D.

(N)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

ISSUED: November 17, 1988

EFFECTIVE: January 1, 1989

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

(M)

6.2.3 Feature Group C (FGC) (Cont.)

(B) Optional Features (Cont.)

(1) Common Switching Optional Features
(Cont.)

- (j) End Office End User Line Service Screening for Use with Special Access Service utilized in the provision of WATS or WATS-type services
- (k) Hunt Group Arrangement for Use with Special Access Service utilized in the provision of WATS or WATS-type services
- (l) Uniform Call Distribution Arrangement for Use with Special Access Service utilized in the provision of WATS or WATS-type services
- (m) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized in the provision of WATS or WATS-type services
- (n) Band Advance Arrangement for Use with Special Access Service utilized in the provision of WATS or WATS-type services

(2) Transport Termination Optional Features

- (a) Operator Trunks - i.e., Coin, Non-Coin and Combined Coin and

(M)

Certain regulations on this page formerly appeared on page 191 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.3 Feature Group C (FGC) (Cont.)

(B) Optional Features (Cont.)

(2) Transport Termination Optional Features
(Cont.)

Non-Coin. (Non-Coin Trunks are provided at Telephone Company electronic and electromechanical end offices. Coin and Combined Coin and Non-Coin are provided only at Telephone Company electronic end offices and other Telephone Company end offices where equipment is available.)

(3) Local Transport Optional Features

(a) Supervisory Signaling (as set forth in 6.1.2(A)(2)(a) preceding).

(4) Chargeable Optional Features

(a) Interim NXX Translation (as set forth in 6.3.3 following. (C)

(C) Transmission Specifications

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.

ISSUED: September 1, 1993

EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

(M)

6.2.3 Feature Group C (FGC) (Cont.)

(C) Transmission Specifications (Cont.)

- 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's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

(D) Testing Capabilities

FGC is provided, in the terminating direction, where equipment is available with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit

(M)

Certain regulations on this page formerly appeared on pages 192 and 193 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.3 Feature Group C (FGC) (Cont.)

(D) Testing Capabilities (Cont.)

test line and open circuit test line. In addition to the tests described in 6.1.5 preceding which are included with the installation of service and as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing, Additional Manual Cooperative Testing and Additional Manual Testing are available as set forth in 13.3.5 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. (T)

6.2.4 Feature Group D (FGD)

(A) Description

- (1) FGD Access, which is available to all customers, provides trunk side access to Telephone Company end office switches. Special Access Services utilized for connection with FGD at Telephone Company designated WATS Serving offices as set forth in Section 7. following may be ordered separately by a customer other than the customer which orders the FGD Switched Access Service for the provision of WATS or WATS-type services. Special Access Services are ordered as set forth in 5.2 preceding.
- (2) FGD is provided at Telephone Company designated electronic end office switches whether routed directly or via Telephone Company designated electronic access tandem switches.

ISSUED: March 11, 1994

EFFECTIVE: April 26, 1994

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(N)

(A) Description (Cont.)

- (3) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.
- (4) FGD switching is provided with multifrequency address signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (5) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed

(N)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(N)

(A) Description (Cont.)

through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Service. Additionally, nonaccess charges will also be billed for calls from a FGD trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-1XXX or 950-0XXX access codes, local operator assistance (0- and 0+), service codes 611 and 911 and 10XXX access codes. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

- (6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(N)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(A) Description (Cont.)

(7) FGD switching may or may not require an access code. No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that customer. In the Telephone Company's network configuration, presubscription services are available in all end offices, including Hallsville and Kingston: the 10XXX access code dialing pattern is not available in the foregoing listed offices. As of June 1989, the Kingston and Hallsville offices will have 10XXX access code dialing available to subscribers in these end office areas, which is described following. (T)

In all exchanges including where the 10XXX access code is not available, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN. (T)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(A) Description (Cont.)

Where an access code is used, the code is of the form 10XXX. The access code(s) will be the assigned number of all FGD access provided to the customer by the Telephone Company. When the 10XXX access code is used, FGD switching also provides for dialing the digit 0 for access to the customer's operator, 911 for access to the Telephone Company's emergency reporting service, or the end-of-dialing digit (#) for cut-through access to the customer designated premises. Except for the Telephone Company's end offices mentioned above, the remaining end offices will have the 10XXX access code.

- (8) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing the 10XXX uniform access code. Each telephone exchange service line may be marked with a code to identify which 10XXX code its calls will be directed to for interLATA service.
- (9) Unless prohibited by technical limitations, the customer's Interim NXX Translation traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-Interim NXX Translation traffic. When required by

ISSUED: December 15, 1988

EFFECTIVE: February 1, 1989

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(A) Description (Cont.)

technical limitations, or at the request of the customer, a separate trunk group will be established for Interim NXX Translation traffic.

(N)

- (10) When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the customer and the Telephone Company, the Telephone Company will direct calls dialed by the customer's end users using the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle normally dialed FGD calls, as well as calls dialed with the FGB access code which requires the customer to receive additional address signaling from the end user. Such calls will be related as FGD. The Telephone Company may, with 90 days' written notice to the customer, discontinue this arrangement.

(B) Optional Features

Following are the various nonchargeable and chargeable optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group D. Nonchargeable Optional Features are provided as Common Switching, Transport Termination and Local Transport options as set forth in

(N)

ISSUED: November 17, 1988

EFFECTIVE: January 1, 1989

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(B) Optional Features (Cont.)

(1) through (3) following. Local Transport options associated with Common Channel Signaling Network Connection Service (CCSNC) are described in 6.2.4 following. All other Local Transport options, due to their technical nature, are described in 15.1.1 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C No. 5. Chargeable optional features are set forth in (4) following.

(1) Common Switching Options

Descriptions of the common switching optional features are set forth in 6.3.1 following.

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing*
- (c) Alternate Traffic Routing*
- (d) Trunk Access Limitation*
- (e) International Carrier Option
- (f) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (g) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

Certain regulations previously found on this page can now be found on Original Page 188.1.

ISSUED: November 14, 1997

EFFECTIVE: November 29, 1997

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(B) Optional Features (Cont.)

(1) Common Switching Options (Cont.)

- (h) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS of WATS-Type Services
- (i) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- (j) Nonhunting Number Associated with Hunt Group Arrangement or Uniform

(M)

(M)

Certain regulations on this page formerly appeared on Second Revised Page 188.

ISSUED: November 14, 1997

EFFECTIVE: November 29, 1997

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(B) Optional Features (Cont.)

(1) Common Switching Options (Cont.)

Call Distribution Arrangement for
Use with Special Access Service
Utilized in the Provision of WATS
or WATS-Type Services

(2) Transport Termination Option

(a) Operator Trunk - Full Feature

(3) Local Transport Optional Feature

(a) One optional feature is available with
Local Transport associated with FGD.
That optional feature is supervisory
Signaling and 64 Clear Channel Capability.
The 64 Clear Channel Capability optional
feature, due to its technical nature, is
set forth in 15.1.1 of NATIONAL EXCHANGE
CARRIER ASSOCIATION TARIFF F.C.C. No. 5.

(4) Chargeable Optional Features

(a) Interim NXX Translation

(b) Non-switched Transport on OC-48 Dedicated
Ring Service

This service option allows non-switched
transport over SONET shared
fiber rings service. A SONET terminal
(node) manages traffic and allows pass
through traffic (minutes) to continue
through the service area on the fiber ring(s).
A per minute of use charge will be applied
to pass through traffic. The specific rate is
set forth in Section 17.1.3.

(N)

(N)

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(C) Design and Traffic Routing

For Feature Group D, the Telephone Company shall design and determine the routing of Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices where busy hour minutes of capacity are ordered. The Telephone Company shall also decide if capacity is

(M)

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Certain regulations on this page formerly appeared on Second Revised Page 189.

ISSUED: November 14, 1997

EFFECTIVE: November 29, 1997

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(C) Design and Traffic Routing (Cont.)

to be provided by originating only,
terminating only, or two-way trunk groups.
Finally, the Telephone Company will decide
whether trunk side access will be provided
through the use of two-wire or four-wire
trunk terminating equipment.

(N)

Selection of facilities and equipment and
traffic routing of the service are based
on standard engineering methods, available
facilities and equipment, and the Telephone
Company traffic routing plans. If the
customer desires routing or directionality
different from that determined by the
Telephone Company, the Telephone Company
will work cooperatively with the customer
in determining (1) whether the service is to
be routed directly to an end office or
through an access tandem switch and (2) the
directionality of the service.

(D) Measuring Access Minutes

Customer traffic to end offices will be
recorded by the Telephone Company at end
office switches or access tandem switches.
Originating and terminating calls will be
recorded by the Telephone Company to
determine the basis for computing chargeable
access minutes. In the event the customer
message detail is not available because
the Telephone Company lost or damaged tapes
or incurred recording system outages, the

(N)

ISSUED: November 17, 1988

EFFECTIVE: January 1, 1989

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(D) Measuring Access Minutes (Cont.)

Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values. For both originating and terminating calls over FGD the measured minutes are the chargeable access minutes.

For originating calls over FGD, usage measurement begins when the originating FGD first point of switching receives the first wink supervisory signal forwarded from the customer's point of termination.

The measurement of originating call usage over FGD ends when the originating FGD first point of switching receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the first point of switching.

For terminating calls over FGD, the measurement of access minutes begins when the terminating FGD first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGD ends when the terminating FGD first point of switching receives disconnect supervision from either the terminating

(N)

(N)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(D) Measuring Access Minutes (Cont.)

end user's end office, indicating the terminating end user has disconnected, or the customer's point of terminating, whichever is recognized first by the first point of switching.

(N)

(E) Design Blocking Probability

The Telephone Company will design the facilities used in the provision of Switched Access Service FGD to meet the blocking probability criteria as set forth in (1) and (2) following.

(1) For Feature Group D, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's designated premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods as set forth in reference document Telecommunications Transmission Engineering - Volume 3 - Networks and Services (Chapter 6-7) will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.

(2) The Telephone Company will perform routine measurement functions to assure that an adequate number of transmission paths are in service. The Telephone Company

(N)

ISSUED: November 17, 1988

EFFECTIVE: January 1, 1989

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(E) Design Blocking Probability (Cont.)

will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.

- (a) For transmission paths carrying only first routed traffic direct between an end office and customer's designated premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measures Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	15-20 Measurement	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	7%	8.0%	9%	14.0%
3	5%	6.0%	7%	9.0%
4	5%	6.0%	7%	8.0%
5-6	4%	5.0%	6%	7.0%
7 or more	3%	3.5%	4%	6.0%

(N)

(N)

ISSUED: November 17, 1988 EFFECTIVE: January 1, 1989

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(E) Design Blocking Probability (Cont.)

(b) For transmission paths carrying first routed traffic between an end office and customer's premises via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measures Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	15-20 Measurement	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	4.5%	5.5%	6.0%	9.5%
3	3.5%	4.0%	4.5%	6.0%
4	3.5%	4.0%	4.5%	5.5%
5-6	2.5%	3.5%	4.0%	4.5%
7 or more	2.0%	2.5%	3.0%	4.0%

(F) Network Blocking Charge

The customer will be notified by the Telephone Company to increase its capacity (busy hour minutes of capacity or quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic and the measured access minutes for that hour exceed the capacity purchased. Excessive trunk group blocking occurs when the blocking thresholds stated below are exceeded. They are predicated on time consistent, hourly measurements over a 30 day period excluding Saturdays, Sundays and national holidays. If

(N)

(N)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(F) Network Blocking Charge (Cont.)

the order for additional capacity has not been received by the Telephone Company within 15 days of the notification, the Telephone Company will bill the customer, at the rate set forth in 17.1.1(D) following, for each overflow in excess of the blocking threshold when (1) the average "30 day period" overflow exceeds the threshold level for any particular hour and (2) the "30 day period" measured average originating or two-way usage for the same clock hour exceeds the capacity purchased.

(T)

Blocking Thresholds

<u>Trunks in Service</u>	<u>1%</u>	<u>1/2%</u>
1-2	7.0%	4.5%
3-4	5.0%	3.5%
5-6	4.0%	2.5%
7 or greater	3.0%	2.0%

The 1 percent blocking threshold is for transmission paths carrying traffic direct (without an alternate route) between an end office and a customer's premises. The 1/2 percent blocking threshold is for transmission paths carrying first routed traffic between an end office and a customer's premises via an access tandem.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.2 Provision and Description of Switched Access Service
Feature Groups (Cont.)

6.2.4 Feature Group D (FGD) (Cont.)

(G) Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.5 preceding, which are included with the installation of service (Acceptance Testing) are as ongoing routine testing, Additional Cooperative Acceptance Testing, Additional Automatic Testing and Additional Manual Testing, are available as set forth in 13. following.

(N)

(N)

ISSUED: November 17, 1988

EFFECTIVE: January 1, 1989

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX
Translation Optional Features

6.3.1 Common Switching Nonchargeable Optional Features

(A) Provision of Other Than Telephone Company
Selected Traffic Routing

This option allows the customer to specify a particular traffic routing for trunk groups in routing, i.e., the customer may specify that the routing be on a direct trunk basis or via an access tandem. It is available with Feature Groups B, C, and D.

(B) Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchanges, and for the completion only of calls to 411, 611, 911, 800/888, 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 Telephone Company electronic end offices and, where available, in electromechanical end offices. It is available with Feature Group A.

(T)

(C) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange and for disallowing completion of calls to 0-555 and N11 (e.g., 411, 611, and 911). This feature is provided where available in all Telephone

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(C) Service Code Denial on Line or Hunt Group (Cont.)

Company electronic end offices and electro-mechanical end offices. It is available with Feature Group A.

(D) 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. All Feature Group A access services in the same hunt group must provide off-hook supervisory signalling from the same point in time in the call sequence, i.e., all off-hook supervisory signals must either be provided by the customer's equipment before the called party answers or all must be forwarded by the customer's equipment when the called party answers.

(E) 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

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(E) Uniform Call Distribution Arrangement (Cont.)

electronic end offices only. It is available with Feature Group A.

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

This option provides an arrangement for an individual line within a multiline 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.

(G) Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer designated premises for calls originating in the exchanges, 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 designated

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(G) Automatic Number Identification (ANI) (Cont.)

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 designated premises.

The seven digit ANI telephone number is available with Feature Group B and C. With these Feature Groups, 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 and coin stations and coinless pay telephones using Feature Group B, or when an ANI 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 below).

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(G) Automatic Number Identification (ANI) (Cont.)

With Feature Group C, at the option of the customer, ANI may be ordered from end offices where Telephone Company recording for end user billing is not provided. Additionally, ANI is provided from end offices where message detail recording is not required by the Telephone Company; as with 800/888 Service. ANI is not provided from end offices (T) where the Telephone Company forwards ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify:

- (1) telephone number is the station billing number - no special treatment required,
- (2) multiparty line - telephone number is a 4- or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner,
- (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other number,
- (4) hotel/motel originated call which requires room number identification,
- (5) coinless station, hospital, inmate, etc., call which requires special screening

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(G) Automatic Number Identification (ANI) (Cont.)

or handling by the customer, and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B and C.

Additional ANI information digits are available with Feature Group D only. They include:

- (1) InterLATA restricted - telephone number is identified line
- (2) InterLATA restricted - hotel/motel line
- (3) InterLATA restricted - coinless, hospital, inmate, etc., line

These information digits will be transmitted as agreed to by the customer and the Telephone Company.

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

This option provides for the end office capability of providing up to 7 digits of the uniform access

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

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

code (950-10XX) to the customer designated 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 designated premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

(I) Revertive Pulse Address Signaling

This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

- (1) The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.
- (2) The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(I) Revertive Pulse Address Signaling (Cont.)

This option is available only with Feature Group C.

(J) Delay Dial Start-Pulsing Signaling

This option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook signaling sequence. The delay dial signal is the off-hook interval and the start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse until a delay dial (off-hook) signal followed by a start-dial (on-hook) signal has been identified at the calling office. This option is available with Feature Group C.

(K) Immediate Dial Pulse Address Signaling

This trunk side option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a start-pulsing signal from the customer. This option is available with Feature Group C.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(L) Dial Pulse Address Signaling

This trunk side option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer's premises (in either direction) by means of direct current pulses. It is available only with Feature Group C.

(M) 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-, 0+, 01+ or 011+) or service access codes (e.g., 600, 700, 800, 888 or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Group C and D. It is not provided in the equal access end offices Hallsville and Kingston.

(T)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(N) Alternate Traffic 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) or to the same or 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 with Feature Group C and D. It is not provided in the equal access end offices Hallsville and Kingston.

(O) Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone. It is provided in all Telephone Company electronic end offices and where available

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(O) Trunk Access Limitation (Cont.)

in electromechanical end offices. It is available with Feature Group C and D. It is not available in equal access end offices Hallsville and Kingston.

(P) Call Gapping Arrangement

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 Service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which are denied access by this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

(Q) International Carrier Option

This option allows for Feature Group D end offices or access tandem switches equipped for International Direct Distance Dialing to be arranged to forward the international calls of one or more international carriers to the customer (i.e., the Telephone Company is able to route originating international calls to a customer other than the one designated by the end user either through presubscription or 10XXX

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(Q) International Carrier Option (Cont.)

dialing). This arrangement requires provision of written verification to the Telephone Company that the customer is authorized to forward such calls. The written verification must be in the form of a letter of agency authorizing the customer to order the option on behalf of the international carrier. This option is only provided at Telephone Company end offices or access tandems equipped for International Direct Distance Dialing. It is available with Feature Group D.

(R) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option, which is provided in association with two or more Special Access service groups, provides for the automatic overflow of terminating calls to a Special Access Service group, when that group has exceeded its call capacity, to another Special Access Service group with a band designation equal to or greater than that of the overflowing Special Access 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 with Feature Groups A, B, C, and D.

ISSUED: September 1, 1993 EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(S) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides the ability to verify that an end user 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, e.g., WATS. This option is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices which are designated as WATS Serving Offices. It is available with Feature Group C and D.

(T) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides the ability to sequentially access one of two or more Special Access Services utilized in the provision of WATS or WATS-type services (e.g., 800/888 Service WATS access (T) lines) in the terminating direction, when the hunting number of the Special Access Service group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company designated WATS serving offices. It is available with Feature Groups A, B, C, and D.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.1 Common Switching Nonchargeable Optional Features (Cont.)

(U) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available Special Access Services utilized in the provision of WATS or WATS-type services in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS serving offices. It is available with Feature Groups A, B, C, and D.

(V) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides an arrangement for an individual Special Access Service utilized in the provision of WATS or WATS-type services within a multiline hunt or uniform call distribution group that provides access to that Special Access Service 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 designated WATS serving offices. It is available with Feature Groups A, B, C, and D.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.2 Transport Termination Nonchargeable Optional Features

(A) Rotary Dial Station Signaling

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

(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-coin

This option may be ordered to provide coin, non-coin, or combined coin and non-coin operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

Coin:

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating coin calls requiring operator assistance to the customers designated premises. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.2 Transport Termination Nonchargeable Optional Features (Cont.)

(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-coin (Cont.)

The operator assistance coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards.

Non-coin:

This arrangement provides for the routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating non-coin calls requiring operator assistance to the customer's designated premises. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance non-coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards. When then so equipped, the ANI

ISSUED: September 1, 1993

EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX Translation Optional Features (Cont.) (T)

6.3.2 Transport Termination Nonchargeable Optional Features (Cont.)

(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-coin (Cont.)

feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or to other screening arrangements agreed to between the customer and the Telephone Company.

Combined Coin and Non-Coin:

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating operator assisted coin and non-coin calls requiring operator assistance to the customer's designated premises. Because operator assisted coin and non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX
Translation Optional Features (Cont.)

6.3.2 Transport Termination Nonchargeable Optional
Features (Cont.)

(B) Operator Trunk - Coin, Non-Coin, or Combined
Coin and Non-coin (Cont.)

will be terminated in the customer's operator services systems, rather than in the customer's manual cord boards. When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

(C) Local Transport Options

(1) Supervisory Signaling

The Supervisory Signaling optional feature, due to its technical nature, is set forth in 15.1.1 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C No. 5.

(2) 64 Clear Channel Capability

The 64 clear channel capability optional feature, due to its technical nature, is set forth in 15.1.1 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. No. 5.

Certain regulations previously found on this page can now be found on Original Page 208.1

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX
Translation Optional Features (Cont.)

6.3.3 Chargeable Optional Features (Cont.) (T)

- (A) Interim NXX Translation (M)
- Interim NXX Translation optional feature is an originating offering utilizing trunk side Switched Access Service. The service provides a customer identification function based on the dialed NXX number. When an 1+NXX+NXX-XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the (M)

Certain regulations on this page formerly appeared on Third Revised Page 208.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.3 Common Switching, Transport Termination and Interim NXX
Translation Optional Features (Cont.)

6.3.3 Chargeable Optional Features

(A) Interim NXX Translation (Cont.)

customer location to which the call is to be routed. If the call originates from an end office switch not equipped to provide the customer identification function, the call will be routed to an office at which the function is available. Once customer identification has been established, the call will be routed to the customer. Calls originating from an end office switch at which the customer identification function is performed, but to which the customer has not ordered Interim NXX Translation, will be blocked.

The number in which Interim NXX Translation is provided is dependent on the status of the end office from which the service is provided (i.e., equipped with equal access capabilities or not equipped with equal access capabilities). When Interim NXX Translation is provided from an end office equipped with equal access capabilities, it will be provided in conjunction with FGD Switched Access Service. When Interim NXX Translation is provided from an end office not equipped with equal access capabilities, it will be provided in conjunction with FGC Switched Access Service.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.4 Transmission Specification

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. The available transmission specifications are set forth in 15.1.2 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters set forth in 15.1.3 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5 are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met. (T)

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at performance levels specified in this tariff.

The transmission specification concerning Switched Access Service are immediate action limits and are set forth in 15.1.2 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. Acceptance limits are set forth in Technical Reference GR-334-CORE. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits. (T)

ISSUED: November 14, 1997

EFFECTIVE: November 29, 1997

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.5 Obligations of the Telephone Company

(M)

In addition to the obligations of the Telephone Company set forth in Section 2 preceding, the Telephone Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

6.5.1 Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in 2.4.4(A)(3) preceding.

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Certain regulations on this page formerly appeared on page 224 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.5 Obligations of the Telephone Company (Cont.)

6.5.2 Design and Traffic Routing of Switched Access Service

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For Feature Group C the Telephone Company shall design and determine the routing of Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices where busy hour minutes of capacity are ordered. The Telephone Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment. Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and the Telephone Company traffic routing plans. If the customer desires routing or directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service.

For Feature Group A and B, the line or trunk directionality and traffic routing of the Switched Access Service between the customer's premises and the entry switch are determined by the customer's order for service. Additionally, for Feature Group B the customer may order the optional feature Custom Specification of Local Transport Termination.

(M)

Certain regulations on this page formerly appeared on pages 224.1 and 225 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.5 Obligations of the Telephone Company (Cont.)

6.5.5 Determination of Number of Transmission Paths
(Cont.)

provided for the Switched Access Feature Group C or D (N)
busy hour minutes of capacity ordered.
A transmission path is a communication path
within the frequency bandwidth of approximately
300 to 3000 Hz or a derived communication path of
approximately 300 Hz to 3000 Hz provided over a
high frequency analog facility or a high speed
digital facility between a customer's premises and
a Telephone Company location. The number of
transmission paths will be developed using the
total busy hour minutes of capacity by type (as
described in 6.1.1(E) preceding) for the end
office for each Feature Group ordered from a
customer designated premise. The total busy hour
minutes of capacity by type for the end office
will be converted to transmission paths using
standard Telephone Company traffic engineering
methods. The number of transmission paths provided
shall be the number required based on (1) the
use of access tandem switches and end office
switches, (2) the use of end office switches
only, or (3) the use of tandem switches only.

6.5.6 Determination of Number of End Office Transport
Terminations

For analog entry office switches, a termination
will be provided for each transmission path
provided. For digital entry office switches, an
equivalent termination will be provided for
each transmission path provided.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.5 Obligations of the Telephone Company (Cont.)

(M)

6.5.7 Design Blocking Probability

The Telephone Company will design the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in (A) through (D) following:

- (A) For Feature Group A and B no design blocking criteria apply.
- (B) For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's designated premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (C) The Telephone Company will perform routine measurement functions except on Feature Group A and B to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the capacity ordered, the design blocking objective is

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Certain regulations on this page formerly appeared on page 226 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.5 Obligations of the Telephone Company (Cont.)

(M)

6.5.7 Design Blocking Probability (Cont.)

assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.

- (1) For transmission paths carrying only first routed traffic direct between an end office and customer's designated premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m.			
	Per Trunk Group			
	15 - 20 Measurements	11 - 14 Measurements	7 - 10 Measurements	3 - 6 Measurements
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7-more	.030	.035	.040	.060

- (2) For transmission paths carrying first routed traffic between an end office and customer's premises via an access tandem, the measured blocking thresholds are as follows:

(M)

Certain regulations on this page formerly appeared on page 227 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.5 Obligations of the Telephone Company (Cont.)

(M)

6.5.7 Design Blocking Probability (Cont.)

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	15 - 20	11 - 14	7 - 10	3 - 6
	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>
2	.045	.055	.060	.095
3	.035	.040	.045	.060
4	.035	.040	.045	.055
5-6	.025	.035	.040	.045
7 or more	.020	.025	.030	.040

6.6 Obligations of the Customer

In addition to the obligations of the customer set forth in Section 2 preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.6.1 Report Requirements

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.11 preceding. Charges will be apportioned in

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Certain regulations on this page formerly appeared on page 228 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.6 Obligations of the Customer (Cont.)

(M)

6.6.1 Report Requirements (Cont.)

(A) Jurisdictional Reports (Cont.)

accordance with those reports. The method to be used for determining the interstate charges is set forth in 2.3.12 preceding.

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(B) Code Screening Reports

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When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must 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 shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

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.

(M)

Certain regulations on this page formerly appeared on page 229 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Switched Access Service.

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 recurring rates, usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth in (D) following.

(A) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes, each month is considered to have 30 days.

(C)*

(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. Access minute charges are accumulated over a monthly period.

(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

* Issued on not less than 15 days notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges (Cont.)

(C) Non-recurring Charges (Cont.)

that apply for Switched Access Service are:
installation of service, Interim NXX
Translation optional feature and service
rearrangements. These charges, with the
exception of the Interim NXX Translation
optional feature, are in addition to the
Access Order Charge as specified in Section 5.2.

(1) Installation of Service

(D)

(D)

For Entrance Facilities, a Local Transport nonrecurring installation charge, as set forth in 6.8.1(B) following, will be applied at the serving wire center for each Entrance Facility installed. This charge is not applied when the Telephone Company has not received a bona fide request for Direct Trunked Transport.

ISSUED: November 14, 1997

EFFECTIVE: November 29, 1997

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(C) Non-recurring Charges (Cont.)

(1) Installation of Service (Cont.)

For Direct Trunked Transport ordered to the end office, a Local Transport nonrecurring trunk activation charge, as set forth in 17.1.1(D) following, will be applied at the end office on a per order basis for each group of 24 Direct Trunked Transport trunks or fraction thereof that is activated at the end office.

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A maximum of 24 trunks can be activated on a DS1 facility and a maximum of 672 trunks can be activated on a DS3 facility.

For example, if a customer orders a DS1 Entrance Facility and requests activation of 18 of the available circuits, the customer will be charged one Local Transport High Capacity DS1 Installation nonrecurring charge at the serving wire center and one Direct Trunked Transport Activation nonrecurring charge at the end office. If at a later date the customer requests the activation of three more circuits, the customer will then

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(C) Non-recurring Charges (Cont.)

(1) Installation of Service (Cont.)

be charged an additional Direct Trunked
Transport Activation nonrecurring charge.
These charges are in addition to the Access
Order Charge as specified in Section 5.2.

When a customer orders the disconnection (D)
of over-provisioned trunks, the non-recurring
charges set forth in Section 17.1.1(D) (T)
do not apply providing:

- The change is ordered anytime between
June 17, 1997, and December 31, 1998, and
- The change is completed no later than
March 31, 1999, and
- The orders to disconnect existing trunks and
to connect the new trunks are placed at
the same time.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(C) Nonrecurring Charges (Cont.)

(3) Service Rearrangements

All changes to existing services other than changes involving administrative activities and the off-hook supervisory signaling of FGA Access Services will be treated as a discontinuance of the existing service and an installation of a new service (with the exception of the addition of 64 Clear Channel Capability to an existing service). (N)

The nonrecurring charge described in (1) preceding will apply for this work activity. Moves that change the physical location of the point of termination is described and charged for as set forth in 6.7.6 following. (N)

When the 64 Clear Channel Capability optional feature is installed on an existing facility, the addition will be treated as a discontinuance and start of service and all associated non-recurring charges will apply. (N)

Certain regulations formerly found on this page can now be found on Original Page 22

ISSUED: November 14, 1997

EFFECTIVE: November 29, 1997

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(C) Nonrecurring Charges (Cont.)

(3) Service Rearrangements (Cont.)

- If, due to technical limitations of the Telephone Company, a customer could not combine its Interim NXX Traffic with its other trunk side Switched Access Services, no charge shall apply to combine these trunk groups when it becomes technically possible. (M)

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

Certain regulations found on this page formerly appeared on Third Revised Page 221.

ISSUED: November 14, 1997

EFFECTIVE: November 29, 1997

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(C) Nonrecurring Charges (Cont.)

(3) Service Rearrangements (Cont.)

- 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 date (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.

Changes to the point in time when the off-hook supervisory signal is provided in the originating call sequence, i.e., when the off-hook supervisory signal is changed from being provided by the customer's equipment before the called party answers to being forwarded by the customer's equipment when the called party answers or vice versa, are subject to the nonrecurring charge as set forth in 5.2.4(A) preceding.

(T)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(D) Application of Rates

Rates are applied either as premium rates or
transitional rates. The transitional rate (C)*
application is the discounted access minute (C)*
rates for measured or assumed access minutes. (D)*

The specific application of these rates for a
specific customer is dependent upon the
Feature Group and the availability of equal
access capabilities in the end office to
which the service is provided.

The following rules provide the basis for
applying the rates and charges:

- (1) Premium rates apply to all FGC access
minutes when the service is provided to
customers which furnish interstate
MTS/WATS and to all access minutes that
originate or terminate at end offices
equipped with equal access capabilities.
In addition, premium rates apply to FGB
access minutes when utilized in the
provision of MTS/WATS service.
- (2) Transitional rates (i.e., discounted
access minute rates) apply to all FGA and
FGB access minutes (measured or assumed)
originating or terminating in an end
office which is not equipped with equal

* Issued on not less than 15 days notice under authority of
Special Permission Number 87-274 of the Federal
Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(D) Application of Rates (Cont.)

access capabilities. In addition, transitional rates apply to FGC access minutes originating in an end office which is not equipped with equal access capabilities when the FGC service is used in conjunction with the Interim NXX Translation optional feature, by customers who do not furnish interstate MTS/WATS. (T)

(3) When FGA or FGB Switched Access Service except as set forth in (1) preceding provided to an entry switch (i.e., dial tone office for FGA and access tandem for FGB) has usage originating from and/or terminating at both end offices that have been converted to equal access and end offices that have not been converted, the premium and non-premium transitional rates will apply in the following manner:

(a) All access minutes that originate from or terminate at the equal access end office(s) will be billed at premium rates. Access minutes that originate from or terminate at end offices not equipped with equal access capabilities, hereinafter referred to as non-premium access minutes, will continue to be billed at non-premium transitional rates.

ISSUED: September 1, 1993

EFFECTIVE: December 1, 1993

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

(M)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(D) Application of Rates (Cont.)

Non-premium transitional rates will apply as follows depending on the type of service.

- (i) For FGA and FGB services, the number of non-premium access minutes to be billed at transitional rates is derived by subtracting the number of premium rated access minutes from the total number of access minutes.
 - (ii) Premium access minutes will be determined as set forth in (b) following.
- (b) The number of access minutes to be rated as premium access minutes is determined as follows:
- (i) Where end office specific usage data is available, premium rates apply to the measured access minutes originating from or terminating at the equal access end office(s).
 - (ii) Where end office specific usage data is not available

(M)

Certain regulations on this page formerly appeared on page 232.2 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

(M)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(D) Application of Rates (Cont.)

for originating and/or terminating FGA, the total originating and/or terminating usage will be measured or assumed usage at the entry switch as set forth in 6.7.7 following. FGA originating and/or terminating usage will then be apportioned between premium and non-premium access minutes in the following manner. For originating usage, develop the ratio of the number of subscriber lines in the local calling area of the entry switch that are served by equal access end offices to the total number of subscriber lines in that local calling area. For terminating usage, develop the ratio of the number of subscriber lines in the valid calling area of the entry switch that are served by the equal access end offices to the total number of subscriber lines in that valid calling area. Then apply these ratios to

(M)

(T)

(M)

(M)

Certain regulations on this page formerly appeared on pages 232.2 and 232.3 EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

(M)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(D) Application of Rates (Cont.)

the total number of
originating and/or
terminating FGA access
minutes respectively
to determine the usage to
be filled at premium rates,
unless adjusted as set
forth in (iv) following. The
local calling area of the
entry switch is as defined
in the Telephone Company's
local and/or general exchange
service tariff. The valid
calling area of the entry
switch is as defined in the
Telephone Company's
interstate access service
tariff. For purposes of
administering this
regulation, subscriber lines
are defined as exchange
service lines, Centrex lines
and Centrex-type lines
provided by the Telephone
Company under its local
and/or general exchange
service tariff.

(iii) Where end office specific usage
data is not available for

(M)

Certain regulations on this page formerly appeared on
page 232.3 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

(M)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(D) Application of Rates (Cont.)

originating and/or terminating FGB, the total originating and/or terminating usage will be measured or assumed usage at the entry switch (I.E. access tandem) as set forth in 6.7.7 following. FGB originating and/or terminating usage will then be apportioned between premium and non-premium access minutes in the following manner. First, develop the ratio of the number of subscriber lines provided to end offices subtending the access tandem that are served by equal access end offices to the total number of subscriber lines in all end offices subtending the access tandem. Then apply this ratio to the total number of originating and/or terminating FGB access minutes to determine the usage to be billed at premium rates, unless adjusted as set forth in (iv) following. For purposes of administering this regulation, subscriber lines are defined as exchange service lines, Centrex lines and Centrex-type lines provided by the Telephone Company under its local and/or general exchange service tariff.

(M)

(T)

(M)

(M)

Certain regulations on this page formerly appeared on pages 232.2.1 and 232.3.2 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(D) Application of Rates (Cont.)

The ratio used to calculate the premium usage as set forth in (ii) and (iii) preceding will be determined on a quarterly basis and provided to the customer with the last bill rendered for the preceding quarter or mailed separately within five working days after the first day of the new quarter. A quarter is defined for these purposes as beginning on the first day of January, April July or October.

- (iv) Where FGD Switched Access Service is provided to a customer in an end office(s) where that customer's premium access minutes have been determined in accordance with (ii) and (iii) preceding, such premium access minutes will be adjusted in the following manner. For each FGD access minute originating and/or terminating from that end office, the premium access minutes as set forth in (ii) and (iii) preceding will be reduced on a one for one basis, but in (N)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(D) Application of Rates (Cont.)

no event shall the reduction exceed (N)
the total number of premium access
minutes as set forth in (ii) and
(iii) from that end office. The
customer will be billed for the
revised number of premium access
minutes. (N)

(c) Where originating and/or
terminating measurement capability
does not exist for Feature
Group A or Feature Group B
Switched Access Service
provided to an entry switch, the
number of access minutes that will
be assumed are as set forth in
Section 6.7.7 following.

The Telephone Company will provide
written notification to all access
customers of record within a
particular exchange that an end office
in that exchange is scheduled to be
converted to an equal access end
office. This notification will be
sent, via certified U.S. Mail, to
each customer of record in the
exchange where the conversion is
scheduled to occur, at least six
months in advance of the
conversion date.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.1 Description and Application of Rates and Charges
(Cont.)

(D) Application of Rates (Cont.)

The customer will have the choice (N)
of converting existing services
to equal access (i.e., Feature
Group D) or retaining the existing
services. The conversion of
existing services will be at no
charge provided the order to convert
such services to Feature Group D
is received as set forth in 6.7.5
following. Premium rates will apply
to the total access minutes
beginning on the actual conversion
date, whether the customer chooses
to convert to FGD or retain existing
services. (N)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.4 Reserved For Future Use

(T)

(D)

(D)

* BHMC is the number of busy hour minutes of capacity provided.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.4 Reserved for Future Use (Cont.) (T)

(D)

(D)

6.7.5 Change of Feature Group Type

Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Non-recurring charges will apply, with one exception. When a customer upgrades a Feature Group A or B service to a Feature Group D service and when Feature Group C is upgraded to Feature Group D coincident with the availability of Feature Group D in an end office, the nonrecurring charges will not apply and minimum period obligations will not change, i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for Feature Group D service, subject to)

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.5 Change of Feature Group Type (Cont.)

the following limitations. In order to avoid the imposition of nonrecurring charges a customer which is a participant in the presubscription allocation process (i.e., is on the presubscription ballot) must (1) submit its order to disconnect Feature Group A and/or B within 30 days after the date the results of the final allocation of customers in an end office are actually received by the customer, and (2) make the effective date for disconnection of the Feature Group A and/or B Access Service no later than 60 days after the final allocation results are received by the customer. A customer who is not a participant in the allocation process (i.e., is not on the presubscription ballot) is subject to the same rules preceding. The time frames for the non-participating customer(s) are the same as those which apply to the last customer to receive the results of the final allocation of customers in an end office who is a participant in the allocation process. For all other changes from one type of Feature Group to another, new minimum period obligations will be established.

(N)

(N)

6.7.6 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

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

(M)

6.7.6 Moves (Cont.)

The charges for the moves 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 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 be established for the new service. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

6.7.7 Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded or assumed) by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Telephone Company to determine the basis for computing chargeable access minutes. In the event the customer message detail is not

(M)

Certain regulations on this page formerly appeared on page 240 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.7 Measuring Access Minutes (Cont.)

available because the Telephone Company lost or damaged tapes or incurred recording system outages, the company will use the same estimates as set forth in 8.1.3(C) of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5 as the basic for computing chargeable access minutes. For terminating calls over FGA and FGB, FGC to 800/888, and for originating calls over FGA (when the off-hook supervisory signal is provided by the customer's equipment before the called party answers), and FGB, the measured minutes are the chargeable access minutes. For originating calls over FGA (when the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers), and FGC, chargeable originating access minutes are derived from recorded minutes in the following manner:

Step 1: Obtain recorded originating minutes and messages, measured as set forth in (C) and (E) following for FGA, when the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers and for FGC from the appropriate recording data.

Step 2: Obtain the total attempts by dividing the originating measured messages by the completion ratio. Completion ratios (CR) are obtained separately for the major call categories such as DDD, operator, 800/888,900, and international from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgment

ISSUED: February 14, 1996

EFFECTIVE: March 1, 1996

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

(M)

6.7.7 Measuring Access Minutes (Cont.)

from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.

Step 3: Obtain the total non-conversation time additive (NCTA) by multiplying the total attempts (obtained in Step 2) by the NCTA per attempt ratio. The NCTA per attempt ratio is obtained from the sample study identified in Step 2 by measuring the non-conversation time associated with both completed and incomplete attempts. The total NCTA is the time on a completed attempt from customer acknowledgment of receipt of call to called party answer (set up and ringing) plus the time on an incomplete attempt from customer acknowledgment of call until the access tandem or end office receives a disconnect signal (ring - no answer, busy or network blockage). That is, Total Attempts times Non-Conversation Time per Attempt Ratio equals Total NCTA.

Step 4: Obtain total chargeable originating access minutes by adding the total NCTA (obtained in Step 3) to the recorded originating measured minutes (obtained in Step 1). That is, Measured Minutes plus NCTA equals Chargeable Originating Access Minutes.

(M)

Certain regulations on this page formerly appeared on page 240.1 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

(M)

6.7.7 Measuring Access Minutes (Cont.)

Following is an example which illustrates how the chargeable originating access minutes are derived from the measured originating minutes using this formula.

Where: Measured Minutes (M. Min.) = 7,000
Measured Messages (M. Mes.) = 1,000
Completion Ratio (CR) = .75
NCTA per Attempt = .4

$$(1) \quad \text{Total Attempts} = \frac{1,000 \text{ (M. Mes.)}}{.75 \text{ (CR)}} = 1,333.33$$

$$(2) \quad \text{Total NCTA} = .4 \text{ (NCTA per Attempt)} \times 1,333.33 = 533.33$$

$$(3) \quad \text{Total Chargeable Originating Access Minutes} = 7,000 \text{ (M. Min.)} + 533.33 \text{ (NCTA)} = 7,533.33$$

When assumed minutes are used, the assumed minutes are the chargeable access minutes.

FGA access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each minute for each line or hunt group. FGB, FGC and access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

(M)

(D)

(M)

(M)

Certain regulations on this page formerly appeared on page 240.2 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

(D)

6.7.7 Measuring Access Minutes (Cont.)

Assumed minutes are used for FGA services which originate or terminate in end offices not equipped with measurement capabilities.

The assumed average access minutes used for services originating or terminating in offices where measurement capability does not exist are set forth in (A) following for Feature Group A Services and in (B) following for Feature Group B Services.

(M)

(A) Where originating and terminating measurement capability does not exist for Feature Group A provided to an entry switch, the number of access minutes will be assumed to be 4,195 access minutes per line per month when the line is arranged for two-way calling (1,510 originating and 2,685 terminating).

(M)

Where measurement capability exists for either originating or terminating usage, but not both, on a line arranged for two-way calling, the number of access minutes per line per month will be an assumed 4,195 or the measured usage, whichever is greater. If the usage in the measured direction exceeds 4,195 access minutes per line per month, it will be assumed that there is zero usage in the unmeasured direction. If the measured usage is less than 4,195 access minutes per line per month, the usage in the unmeasured direction will be the assumed usage

(M)

Certain regulations on this page formerly appeared on pages 240.2 and 240.2.1 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.7 Measuring Access Minutes (Cont.)

(B) Where originating and terminating measurement capability does not exist for Feature Group B provided to an entry switch, the number of access minutes will be assumed to be 8700 access minutes per line per month when the trunk arranged for two way calling (3132 originating and 5568 terminating).

Where measurement capability exists for either originating or terminating usage, but not both on a trunk arranged for two way calling, the number of access minutes per trunk per month will be an assumed 8700 or the measured usage, whichever is greater. If the usage in the measured direction exceeds 8700 access minutes per trunk per month, it will be assumed that there is zero usage in the unmeasured direction. If the measured usage is less than 8700 access minutes per trunk per month, the usage in the unmeasured direction will be the assumed usage for that unmeasured direction; the total of measured and assumed minutes not to exceed the total assumed usage of 8700 access minutes designated for two way calling. If the total exceeds 8700 access minutes the assumed minutes shall be reduced so that the total of measured and unmeasured minutes equals 8700 access minutes.

Additionally, when the trunk is arranged for one way calling and there is no measurement capability for that direction, 3132 access minutes per month will be assumed for originating calling only lines and 5568 access minutes per month will be assumed for terminating calling only lines.

(M) *

(M) *

* Certain regulations appearing on this page were previously found on Original Page 247 and Original Page 248.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.9 Message Unit Credit (Cont.)

exist, the credit will apply to access minutes not to exceed 1510 per line per month. No credit will apply for any terminating FGA access minutes. The message unit credit for originating access minutes will be based on the generally applicable message unit charges of the Telephone Company.

6.7.10 Local Information Delivery Services

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in Section 17.1.2(B) following. In addition, the charges per call as specified under the Telephone Company's local and/or general exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, will also apply. (T)

6.7.11 Mileage Measurement

The mileage to be used to determine the monthly rate for Local Transport is calculated on the airline distance between the end office switch, which may be a Remote Switching Location, where the call carried by Local Transport 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 EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 4 for Wire Center Information (V&H coordinates).

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.11 Mileage Measurement (Cont.)

Mileage rates are as set forth in 17.1.1 following. (T)
To determine the rate to be billed, first compute the airline mileage using the V&H coordinates method. If 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. Then multiply the mileage by the appropriate rate.

Exceptions to the mileage measurement rules are as follows:

- (A) Mileage for premium and transitional 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 switching dial tone is provided) and the customer's serving wire center for the Switched Access Service provided. This exception does not apply to access minutes originating and/or terminating in an Extended Area Service area as set forth in 6.7.1(D)(4) preceding.
- (B) When a non AT&T customer's premises is within five miles of an AT&T Class 4 office, the local Transport mileage for a

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

(M)

6.7.11 Mileage Measurement (Cont.)

call which is carried over a Switched Access Service, originating or terminating through an end office switch, shall be the distance as would be determined from that end office switch to the serving wire center for that AT&T Class 4 office unless the customer specifies that for an entire LATA, it wants all measurements determined from its serving wire center. This designation (i.e., which serving wire center to use in calculating mileage) may be changed only once in any 12 month period. Such changes will be made without charge(s) to the customer.

- (C) When the Alternate Traffic Routing optional feature is provided with Feature Group C the Local Transport access minutes will be apportioned between the two trunk groups used to provide this feature. Such apportionment will be made using 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(N) preceding, and the total busy hour minutes 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. This apportionment will serve as the basis for Local Transport mileage calculation.

(M)

(D)

(M)

(M)

(T)

(M)

(M)

Certain regulations on this page formerly appeared on page 244 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

6.7.11 Mileage Measurement (Cont.)

(M)

When terminating Feature Group C Switched

Access Service is provided from multiple customer designated premises to an end office not equipped with measurement capabilities, the total Local Transport access minutes for that the office will be apportioned among the trunk groups accessing the end office on the basis of the individual busy hour minutes of capacity ordered for each of those trunk groups. This apportionment will serve as the basis for Local Transport mileage calculation

- (E) Mileage of FGA and FGB where originating and/or terminating measurement capability does not exist, will be calculated in the unmeasured direction(s) on an airline basis using the V&H coordinates method. This mileage measurement will be between the first point of switching (end Office switch where the switching dial tone is provided) for FGA and the access tandem is ordered) of FGB, and the customer's serving wire center fro the Switched Access Services. This exception does not apply to Feature Group A access minutes originating and/or terminating in and Extended Area Service area as set forth in 6.7.1 (D) (4) preceding. Extended Area Service area mileage measurement exceptions are found in (F) following. (M)

Certain regulations on this page formerly appeared on page 244.1 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

6.7 Rate Regulations (Cont.)

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6.7.12 Shared Use

Shared use occurs when Switched Access Service and Special Access Service are provided over the same High Capacity service through a common interface. The regulations governing the provision of Shared Use Facilities are set forth in 7.2.7 following.

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Certain regulations on this page formerly appeared on page 245 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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* Certain regulations and charges previously found on this page can now be found on page 363.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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* Certain regulations and charges previously found on this page can now
be found on page 363.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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* Certain regulations and charges previously found on this page can now
be found on page 364.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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* Certain regulations and charges previously found on this page can now be found on page 365.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 6. SWITCHED ACCESS SERVICE (Cont.)

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* Certain regulations and charges previously on this page can now be found on page 365.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Certain regulations on this page formerly appeared on
pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Certain regulations on this page formerly appeared on
pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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Certain regulations on this page formerly appeared on
pages ____ of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C.
NO. 1.

ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE

7.1 General

(M)

Special Access Service provides a transmission path to connect customer designated premises, directly, through a Telephone Company hub 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

(M)

There are four 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:

(C)

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

(M)

To order a channel, Customers choose certain basic channels and select from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

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Certain regulations on this page formerly appeared on page 262 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.) (M)

7.1.1 Channel Types (Cont.)

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. (M)
(D)
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Following is a list of the available basic channel types. A detailed description including capacity and multiplexing requirements can be found at the tariff references cited below. General information begins in Section 7.5 of this tariff. (T)
(N)
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Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz. (7.5.1) (M)

Program Audio - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 200 to 3500 Hz, from 100 to 5000 Hz, from 50 to 8000 Hz, or from 50 to 15000 Hz. (7.6.1) (M)

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56 kbps. (7.7.1) (M)
(M)

Certain regulations on this page formerly appeared on pages 262 and 263 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.)

7.1.1 Channel Types (Cont.)

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps. (Section 17.2.5(A)) (T)

7.1.2 Service Descriptions

There are four basic circuit types which apply to Special Access Services:

- Program Audio (AP)
- 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 and optional features and functions are described in this section. Channel interfaces are described in Sections 15.3 and 15.4 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5.

Customized technical specifications 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.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.)

(M)

7.1.2 Service Descriptions (Cont.)

When a customized facility is ordered, the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates 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, or between a customer designated premises and a WATS Serving Office.

- (A) Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specifications package for a customized service. The letter "w" following the two letter code indicates the technical specifications package for a voice grade Special Access Service used in the provision of WATS or WATS-type service using a Telephone Company designated WATS Serving Office. A numeric (M)

Certain regulations on this page formerly appeared on pages 264 and 265 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.)

7.1.2 Service Descriptions (Cont.)

or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

- (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 15.3 and 15.4 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5 in a combination format. (T)
- (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. (T)
- (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 a matrix with the optional feature or function

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.) (M)

7.1.2 Service Descriptions (Cont.)

listed down the left side and the technical specifications package listed across the top.

- (E) The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this tariff.

- (F) All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service:

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(D)

Voice Grade PUB 62501 and associated Addendum (M)
PUB 41004, Table 4

Program Audio PUB 62503 and associated Addendum (M)
(D)

Digital Data PUB 62507 (M)
62310

High Capacity PUB 62508
62411

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. (M)

Certain regulations on this page formerly appeared on pages 265 and 266 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.)

7.1.3 Service Configurations (Cont.)

(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 Section 17.2.1 may be applicable.

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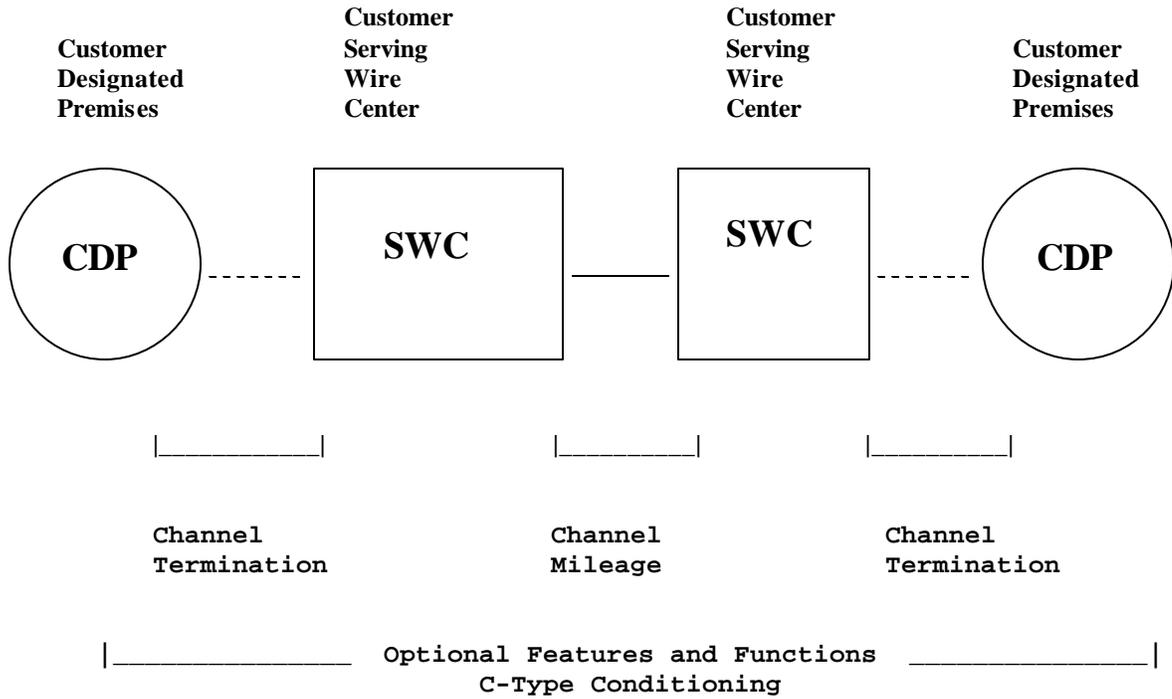
The following diagram depicts a two-point Voice Grade service connecting two customer designated premises (CDP) located 15 miles apart. The service is provided with C-Type conditioning.

See Attachment C for a pictorial layout.

Applicable rate elements are:

- Channel Terminations (applicable one (1) per CDP) - except only one channel termination applies for a WATS access line.

Attachment C



CDP - Customer Designated Premises
SWC - Customer Serving Center

ISSUED: October 2, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.)

7.1.3 Service Configurations (Cont.)

(A) Two-Point Service (Cont.)

- Channel Mileage (1 section, Channel Mileage Facility per mile plus 2 Channel Mileage Terminations)
- C-Type Conditioning Optional Feature

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company hub. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel.

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Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.2 preceding, 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.

* Issued on not less than 15 day's notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.)

7.1.3 Service Configurations (Cont.)

(B) Multipoint Service (Cont.)

When ordering, the customer will specify the bridging Hub selected from the Telephone Company's list of available Hub locations.

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between the serving wire center for each customer designate premises and the hub and between hubs).
- Bridging
- Additional Optional Features and Functions (when applicable).

The Special Access Surcharge, as set forth in Section 17.2.1 following may be applicable.

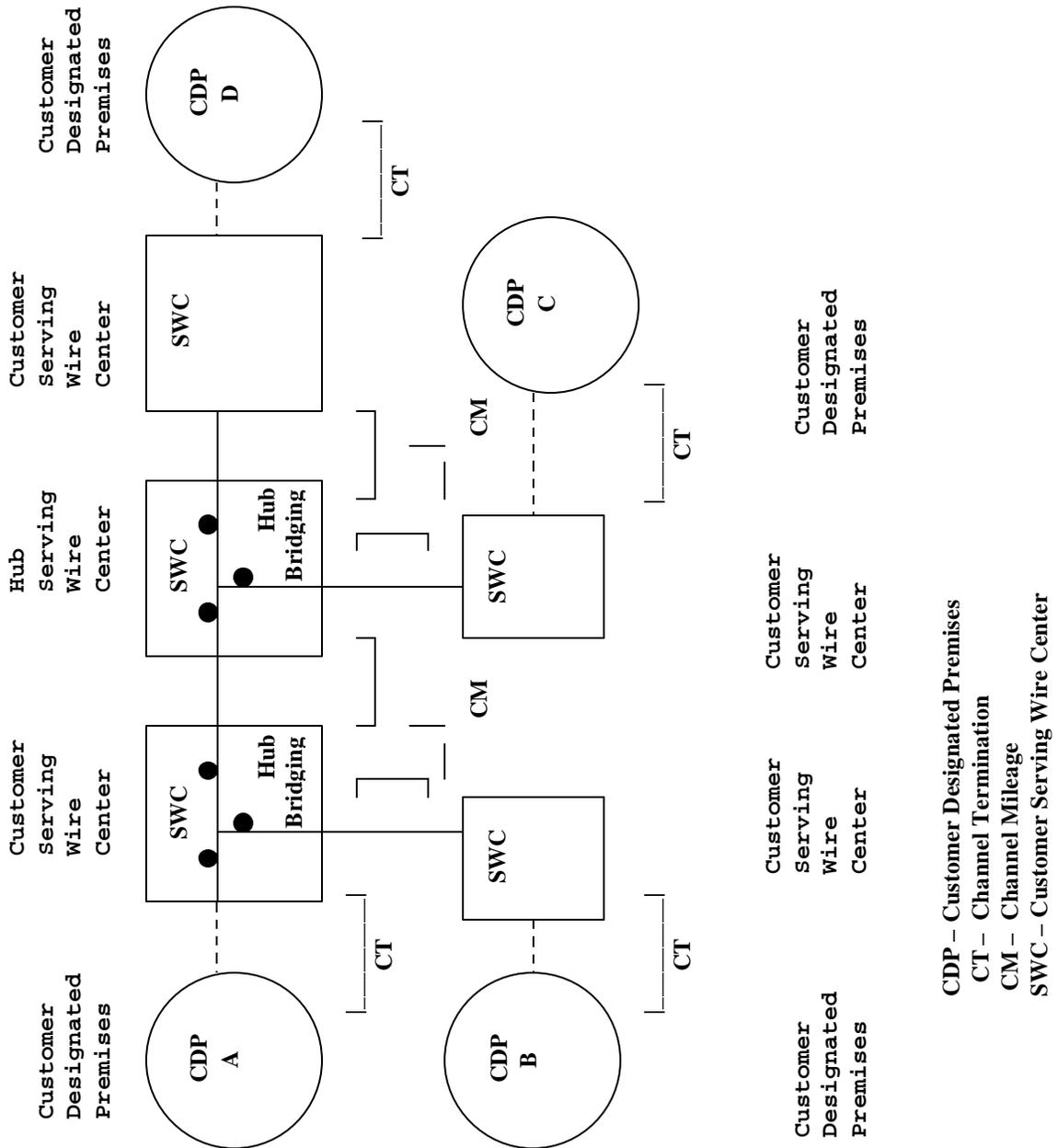
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Example: Voice Grade Multipoint service connecting four customer designated premises (CDP) via two customer specified bridging hubs.

See Attachment D for pictorial diagram.

Attachment D



ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.)

7.1.3 Service Configurations (Cont.)

(B) Multipoint Service (Cont.)

Applicable rate elements are:

- Channel Terminations (four applicable)
- Channel Mileage (four sections, Channel Mileage Facility per mile plus two Channel Mileage Terminations per section)
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

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. The customer may use Telephone Company provided facilities for any lawful and technically feasible use. Where technical or engineering changes are required to effectuate an alternative use, the Telephone Company will make additional services available on an individual cost 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 of the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF (T) F.C.C. NO. 5, Specialized Service or Arrangements. The (T) 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]).

ISSUED: March 11, 1994

EFFECTIVE: April 26, 1994

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.1 General (Cont.)

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 of NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. (T)
(T)

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.

7.1.7 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test, the following parameters at the time of installation:

- (A) For Voice Grade analog services, 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 for service. Additionally, a balance (improved loss) test will be provided at the customer's premises if the customer orders this as an optional feature and function. When a

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

(S)

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 Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the 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 co-located in a Telephone Company building.

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* Issued on not less than day's notice under authority of Special Permission No. 86-952 of the Federal Communications Commission.

ISSUED:

EFFECTIVE: January 17, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.) (S)

7.2.1 Rate Categories (Cont.)

(A) Channel Termination (Cont.) (S)

(1) (D)*

(2)

(D)

* Issued on not less than ___ day's notice under authority
of Special Permission No. 86-952 of the Federal Communica-
tions Commission.

ISSUED:

EFFECTIVE: January 17, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.) (S)

7.2.1 Rate Categories (Cont.)

(A) Channel Termination (Cont.) (S)

(2) (D)*

(D)

(B) Channel Mileage (S)

The Channel Mileage rate category provides for 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.

(C) Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications

(S)

* Issued on not less than day's notice under authority of Special Permission No. 86-952 of the Federal Communications Commission.

ISSUED:

EFFECTIVE: January 17, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

(M)

7.2.1 Rate Categories (Cont.)

(C) Optional Features and Functions (Cont.)

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

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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. The Telephone Company will assist in identifying serving wire centers, hub locations and the type of bridging or multiplexing functions available.

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Certain regulations on this page formerly appeared on page 274 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.1 Rate Categories (Cont.)

(C) Optional Features and Functions (Cont.)

Descriptions for each of the available Optional Features and Functions are set forth in 7.5 through 7.8 following.

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) Daily Rates

Daily rates are recurring rates that apply to each 24-hour period or fraction thereof that a Program Audio Special Access Service is provided for part-time or occasional use. This 24-hour period is not limited to a calendar day.

Daily rates apply until the total charges in the calendar month equal the monthly rate at which time the Telephone Company shall charge the customer 1/30 of the monthly rate per 24 hour period or fraction thereof until the beginning of the next calendar

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* Issued on not less than 15 day's notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.) (M)

7.2.2 Types of Rates and Charges (Cont.)

(B) Daily Rates (Cont.)

month. At the beginning of each subsequent (M)
month, daily rates again apply as described above. (T)

(C) Nonrecurring Charges (M)

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.

(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

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service. (M)

Certain regulations on this page formerly appeared on pages 275.1 and 276 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.2 Types of Rates and Charges (Cont.)

(C) Nonrecurring Charges (Cont.)

(2) Installation of Optional Features and Functions (Cont.)

The optional features for which nonrecurring charges apply are:

- Voice Grade Data Capability
- Voice Grade Telephoto Capability
- Program Audio Gain Conditioning

(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 5.2.4 preceding. (T)

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

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

(M)

7.2.2 Types of Rates and Charges (Cont.)

(C) Nonrecurring Charges (Cont.)

(3) Service Rearrangements (Cont.)

another will be treated as a discontinuance of the service and an installation of a new service.

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

- Change of customer name when the change of name is not the result of a transfer or change of ownership or responsibility,
- 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.

All other service rearrangements will be charged for as follows:

(M)

Certain regulations on this page formerly appeared on pages 277 and 278 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

(M)

7.2.2 Types of Rates and Charges (Cont.)

(C) Nonrecurring Charges (Cont.)

(3) Service Rearrangements (Cont.)

- If the change involves the addition of other customer designated premises to an existing multipoint 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.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of optional feature or function without a separate nonrecurring charge, a charge equal to a channel termination nonrecurring charge will apply. Only one such charge will apply per service, per change.

(M)

Certain regulations on this page formerly appeared on pages 278 and 279 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

(M)

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.

(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 part-time Program Audio services is one month. The minimum service period for part-time Program Audio

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Certain regulations on this page formerly appeared on page 279 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.) (M)

7.2.5 Mileage Measurement (Cont.)

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.

7.2.6 Facility Hubs

A customer has the option of ordering Voice Grade service or High Capacity service (i.e., DS1, DS1C, DS2, DS3 or DS4) to a facility hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, Program Audio, etc.). (M)
(D)

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The central office dedicated as the facility hub is Chillicothe, 68 Main Street, Chillicothe, Ohio. (M)
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(N)

Some of the types of multiplexing available include the following: (M)

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

Point to point services may be provided on channels of these services to a hub. The transmission performance for the point to point service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a (M)

Certain regulations on this page formerly appeared on pages 280 and 281 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

(M)

7.2.6 Facility Hubs (Cont.)

1.544 Mbps channel is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

The Telephone Company will commence billing the monthly rate for the service to the hub on the date specified by the customer on the Access Order. Individual channels utilizing these services may be installed coincident with the installation of the service to the hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a High Capacity Channel Termination, Channel Mileage (when applicable), and the multiplexer at the time the service is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a High Capacity service is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a 6.312 Mbps High Capacity service is de-multiplexed to four DS1 channels and then one of the DS1 channels is further de-multiplexed to 24 individual Voice Grade channels.

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When cascading multiplexing is performed in the same hub, a charge for the additional multiplexing unit also applies.

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Certain regulations on this page formerly appeared on page 282 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.6 Facility Hubs (Cont.)

The Telephone Company will designate the hub for Program Audio Services. Full-time or part-time service may be provided between customer designated premises or between a customer designated premises and the hub and billed accordingly at the monthly rates set forth in 7.6 following for a Channel Termination, Channel Mileage and Optional Features and Functions, as applicable. When the service is ordered to the hub, the customer may order a full-time or part-time Program Audio service as needed between that hub and additional customer designated premises. The rate elements required to provide the part-time service (i.e., Channel Termination, Channel Mileage and Optional Features and Functions, as applicable) will be billed at daily rates for the duration of the service requested.

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7.2.7 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same High Capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a

* Issued on not less than 15 day's notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.7 Shared Use Analog and Digital High Capacity Services (Cont.)

portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the High Capacity Special Access Channel Termination and Channel Mileage rates will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges, as set forth in 6.8 preceding, will apply for each channel of the shared use facility that is used to provide a Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared use facility to the hub, 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). 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.

(D)*

* Issued on not less than 15 day's notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.8 Optional Rate Plan

(A) High Capacity Optional Rate Plans

There is a Term Discount plan for High Capacity. The Term Discount plan applies to Special Access DS1 and DS3 High Capacity Service Channel Termination and Channel Mileage 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 asset forth in Section 17.2.5. (T)

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.

The minimum service period on a monthly rate basis is twelve months for DS1 service and twelve months for DS3 service.

(1) Term Discounts

DS1 and DS3 High Capacity Special Access Service may be ordered at the customer's option for 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.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.8 Optional Rate Plan (Cont.)

(A) High Capacity Optional Rate Plans (Cont.)

(1) Term Discounts (Cont.)

For customers that subscribe to the Term Discount plan for 36 or 60 months, the Term Discount percentage as set forth in Section 17.2.5(C) 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. (T)

If a Term Discount Percentage increase occurs during the term of an existing Term Discount plan, the increased percentage will not be applied to the remainder of the current Term Discount period (i.e., the discount is frozen).

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.

To be included in a 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.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.8 Optional Rate Plan (Cont.)

(A) High Capacity Optional Rate Plans (Cont.)

(1) Term Discounts (Cont.)

Eligible DS1 and DS3 High Capacity rate elements are those Channel Terminations, 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 following will not apply.

(a) 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 services are upgraded. A new minimum service period applies to all High Capacity Service that is upgraded.

(N)

(N)

ISSUED: October 15, 1999

EFFECTIVE: November 1, 1999

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.8 Optional Rate Plan (Cont.)

(A) High Capacity Optional Rate Plans (Cont.)

(1) Term Discounts (Cont.)

(a) Upgrades in Term Discounts (Cont.)

Eligible DS1 and DS3 High Capacity rate elements are those Channel Terminations, 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 following will not apply.

(b) 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,

ISSUED: October 15, 1999

EFFECTIVE: November 1, 1999

Pete M. Holland, Vice President - Finance

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P.O. Box 480

Chillicothe, Ohio 45601-0480

(N)

(N)

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.8 Optional Rate Plan (Cont.)

(A) High Capacity Optional Rate Plans (Cont.)

(1) Term Discounts (Cont.)

(b) Upgrades in Capacity (DS1 to DS3)(Cont.)

- 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.

A new minimum service period applies to all upgrades. Channel Termination nonrecurring chares 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 services 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: October 15, 1999

EFFECTIVE: November 1, 1999

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P.O. Box 480

Chillicothe, Ohio 45601-0480

(N)

(N)

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.2 Rate Regulations (Cont.)

7.2.8 Optional Rate Plan (Cont.)

(A) High Capacity Optional Rate Plans (Cont.)

(1) Term Discounts (Cont.)

(c) 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 (15%) for DS1 service, and fifty percent (50%) 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 (15%) for DS1 service, and fifty percent (50%) 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: October 15, 1999

EFFECTIVE: November 1, 1999

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

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(N)

(N)

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.3 Surcharge for Special Access Service

(M)

7.3.2 Application (Cont.)

- (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
- (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) a termination of Voice Grade Special Access used in the provision of WATS Service that the customer certifies to the Telephone Company as in place on or before March 13, 1986, and the customer resells the WATS service.

Pursuant to CC Docket No. 86-1 Report and Order, adopted by the Federal Communications Commission on March 13,

(M)

Certain regulations on this page formerly appeared on page 283.2 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.3 Surcharge for Special Access Service (Cont.)

(M)

7.3.2 Application (Cont.)

1986, and released March 21, 1986, this exemption shall apply for a seven month period commencing June 1, 1986, and ending December 31, 1986.

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 (1) at the time the Special Access Service is ordered or installed; (2) at such time as the service is reterminated to a device which does not interconnect to the service to local exchange facilities, or (3) at such time as the service become associated with a Switched Access Service that is subject to Carrier Common Line Charges.

(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.

(M)

Certain regulations on this page formerly appeared on page 284 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.3 Surcharge for Special Access Service (Cont.) (M)

7.3.3 Exemption of Special Access Service (Cont.)

- (D) The Telephone Company will work cooperatively with the customer to resolve any questions regarding the exemption certification. (M)
However, the Telephone Company reserves the right to request additional information from the customer, when necessary, to assure qualifications for exemption of the Surcharge are met. In addition, the Telephone Company may withhold exemption of the service until the questions are resolved. (N)

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 Service as shown 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

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.

- (B) The Telephone Company will bill the appropriate Special Access Surcharge to the ordering customer for each interstate Special Access (M)

Certain regulations on this page formerly appeared on pages 284 and 285 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.3 Surcharge for Special Access Service

(M)

7.3.4 Rate Regulations (Cont.)

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.

(E) Surcharge Payment Deferral Provision

The Telephone Company will bill the surcharge on Special Access facilities in service as of June 1, 1986, used in the provision of WATS or WATS-type service through a Telephone Company designated WATS Serving Office (WSO). Payment of such surcharge may be deferred, without penalty, for up to ninety (90) days from the

(M)

Certain regulations on this page formerly appeared on page 285 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.3 Surcharge for Special Access Service

7.3.4 Rate Regulations (Cont.)

date of the first bill rendered for the Special Access Surcharge.

If appropriate exemption certification is not received by the Telephone Company by the end of the ninety (90) days deferral period, the billed Special Access Surcharge will become due. These charges, if unpaid, will be subject to a late payment charge as set forth in Section 2.4.1(B)(2) preceding.

(D)
(M)*
|
(M)*

7.4 Reserved For Future Use

* Certain regulations and charges previously found on this page can now be found on page 366.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.4 Reserved for Future Use (C)*

(D) *

(D) *

7.5 Voice Grade Service

7.5.1 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 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 between a customer designated premises and a WATS Serving Office (WSO).

7.5.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package VG-</u>												<u>W</u>	
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>		<u>12</u>
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

* Issued under authority of Special Permission
Number 89-149 of the Federal Communications Commission.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.)

(M)

7.5.2 Technical Specifications Packages (Cont.)

<u>Parameter</u>	<u>Package VG-</u>													<u>W</u>
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	
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
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

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference PUB 62501 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference UB 41004, Table 4.

7.5.3 Channel Interfaces

The following channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR AND TF.

(M)

* The desired parameters are selected by the customer from the list of available parameters.

(M)

(M)

Certain regulations on this page formerly appeared on pages 292 and 293 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.)

7.5.3 Channel Interfaces (Cont.)

The following channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, DY, EA, EB EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF.

Compatible channel interfaces are set forth in Section 15.3 of the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5. (T)
(T)

7.5.4 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)

(B) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid-link or end link.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.) (M)

7.5.4 Optional Features and Functions (Cont.)

(B) Conditioning (Cont.)

C-Type conditioning and Data Capability may be combined on the same service.

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:

(1) C-Type Conditioning

Attenuation Distortion (Frequency Response) <u>Relative to 1004 Hz</u>		Envelope Delay Distortion <u>Variation</u>	
<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>	<u>Frequency Range (Hz)</u>	<u>(micro- seconds)</u>
400-2800	-1.0 to +2.0	1000-2600	100
300-3000	-1.0 to +3.0	800-2600	200
3000-3200	-2.0 to +6.0	600-2600	300
		500-2800	600
		500-3000	3000

(M)

(D)

(D)

(C) Customer Specified Premises Receive Level (M)

This option allows the customer to specify the receive level at the Point of Termination. The level must be within a specific range on (M)

Certain regulations on this page formerly appeared on pages 294 and 295 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.)

(M)

7.5.4 Optional Features and Functions (Cont.)

(C) Customer Specified Premises Receive Level (Cont.)

effective four-wire transmission. The ranges are delineated in Technical Reference PUB 62501.

(D) 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 PUB 62501.

(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 PUB 62501.

(E) Data Capability (D Conditioning)

Data Capability provides transmission characteristics suitable for data

(M)

Certain regulations on this page formerly appeared on pages 295 and 295.1 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.)

(M)

7.5.4 Optional Features and Functions (Cont.)

(E) Data Capability (D Conditioning) (Cont.)

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 multi-point services.

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are:

- Signal to C-Notched Noise Ratio is equal to or greater than 32dB
- Intermodulation distortion:
 - Signal to second order modulation products (R2) is equal to or greater than 38dB.
 - Signal to third order modulation products (R3) is equal to or greater than 42 dB.

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(F) 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 Telephone Capability are: (M)

Certain regulations on this page formerly appeared on page 295.1 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.) (M)

7.5.4 Optional Features and Functions (Cont.)

(F) Telephoto Capability (Cont.)

<u>Attenuation Distortion</u> (1004Hz Reference)		<u>Envelope Delay Distortion</u>	
<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>	<u>Frequency Range (Hz)</u>	<u>Variation (mcs)</u>
500-3000	-0.5 to +1.5	1000-2600	110
300-3200	-1.0 to +2.5	800-2800	180

(G) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service.

(M)

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(D)

(H) Four-Wire/Two-Wire Conversions

(M)

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Channel Termination rate.

(M)

Certain regulations on this page formerly appeared on pages 296 and 297 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.)

(M)

7.5.4 Optional Features and Functions (Cont.)

(I) 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 1000	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:

(M)

Certain regulations on this page formerly appeared on pages 297 and 297.1 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.)

(M)

7.5.4 Optional Features and Functions (Cont.)

(I) Improved Two-Wire Voice Transmission

(4) Return Loss (Cont.)

ERL 13.0 dB
SRL 6.0 dB

The rate for the provision of Improved Two-Wired Voice Transmission is included as part of the basic Channel Termination rate.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package VG-													
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>W</u>
C-Type Conditioning	X					X	X	X	X	X	X			
Central Office Bridging Capability	X	X			X	X					X	X	X	
Central Office Multiplexing	X					X								
Customer Specified Premises Receive Level	X	X	X					X	X	X				
Data Capability	X					X	X				X			
Improved Return Loss For Effective Four-Wire Transmission	X	X	X	X	X	X	X	X	X	X	X	X	X	X
For Effective Two-Wire Transmission	X	X	X					X						

(M)

Certain regulations on this page formerly appeared on pages 297.1 and 298 of the EXCHANGE CARRIER ASSOCIATION F.C.C. TARIFF NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.)

7.5.4 Optional Features and Functions (Cont.)

	Available with Technical Specifications Package VG-													
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>W</u>
Improved Two-Wire Voice Transmission														X
Signaling Capability	X	X	X	X				X	X	X				
Telephoto Capability	X												X	

7.5.5

(D)
 (M)*
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 (M)*

* Certain regulations and charges previously found on this page can now be found on page 367.

THE CHILLICOTHE TELEPHONE COMPANY
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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.)

7.5.5

(D)

(M)*

(M)*

* Certain regulations and charges previously found on this page can now be found on page 367.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Voice Grade Service (Cont.)

7.5.5

(D)
(M)*

(M)*

* Certain regulations and charges previously found on this page can now be found on page 368.

ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.5 Program Audio Service (Cont.)

7.5.5

(D)

(M)*

(M)*

7.6 Program Audio Service

7.6.1 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.

* Certain regulations and charges previously found on this page can now be found on page 368.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.6 Program Audio Service (Cont.) (M)

7.6.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package AP-</u>				
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</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
Phase Tracing	X				
Short-Term Gain Stability	X				
Short-Term Loss	X				
Total Distortion	X	X	X	X	X

The technical specifications are delineated in Technical Reference PUB 62503 and associated Addendum.

7.6.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available from a Program Audio channel:

<u>CI</u>	<u>Bandwidth</u>	
PG-1	Nominal frequency from 50 to 15000 Hz	
PG-3	Nominal frequency from 200 to 3500 Hz	
PG-5	Nominal frequency from 100 to 5000 Hz	
PG-8	Nominal frequency from 50 to 8000 Hz	(M)

* The desired parameters are selected by the customer from the list of available parameters. (M)
(M)

Certain regulations on this page formerly appeared on pages 310 and 310.1 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.6 Program Audio Service (Cont.)

7.6.3 Channel Interfaces (Cont.)

Compatible channel interfaces are set forth in
Section 15.3 of the EXCHANGE CARRIER ASSOCIATION'S
TARIFF F.C.C. NO. 1.

7.6.4

(D)

(M)*

(M)*

* Certain regulations and charges previously found on this page can now
be found on page 369.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.6 Program Audio Service (Cont.)

7.6.4

(D)

(M) *

(M) *

* Certain regulations and charges previously found on this page can now be found on page 369.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.7 Digital Data Service

(M)

7.7.1 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, or 56kbps. 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 only available via Telephone Company designated hubs and are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

7.7.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package D-</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Error-Free Seconds	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 percent error-free seconds (if provided through a Digital Data hub) while the channel is in service, if it is measured through a CSU equivalent

(M)

Certain regulations on this page formerly appeared on page 322 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.7 Digital Data Service (Cont.)

7.7.4 Optional Features and Functions (Cont.)

	Available with Technical			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X

7.7.5

(D)

(M)*

(M)*

* Certain regulations and charges previously found on this page can now be found on page 370.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.7 Digital Data Service (Cont.)

7.7.5

(D)

(M)*

(M)*

* Certain regulations and charges previously found on this page can now be found on page 370.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.8 High Capacity Service (Cont.) (M)

7.8.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity channel:

<u>CI</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)

Compatible channel interfaces are set forth in (M)
Section 15.3 of the EXCHANGE CARRIER ASSOCIATION'S (T)
F.C.C. TARIFF NO. 1. (T)

7.8.4 Optional Features and Functions (M)

(A) Central Office Multiplexing (M)

(1) DS4 to DS1

An arrangement that converts a 274.176 Mbps channel to 168 DS1 channels using digital time division multiplexing. This (M)
arrangement may be provided on an (N)
individual case basis. (N)

* A 64.0 Kbps channel is available as a channel(s) of a 1.544 (M)
Mbps channel to a Telephone Company hub. (M)

Certain regulations on this page formerly appeared on pages 325.2 and 326 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.8 High Capacity Service (Cont.)

7.8.4 Optional Features and Functions (Cont.)

(A) Central Office Multiplexing (Cont.)

(2) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing. Refer to Section 7.8.5(c)(1) for rates. (C)
(C)

(3) DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four DS1 channels using digital time division multiplexing. This arrangement may be provided on an individual case basis.

(4) DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing. This arrangement may be provided on an individual case basis.

(5) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel at this DS1 to the Hub can also be used for a Digital Data Service. This arrangement may be provided on an individual case basis. Refer to Section 7.8.5(c)(1) for rates.

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.8 High Capacity Service (Cont.)

7.8.4 Optional Features and Functions (Cont.)

(A) Central Office Multiplexing (Cont.)

(6) DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing. This arrangement may be provided on an individual case basis. Refer to Section 7.8.5(c)(1) for rates.

(C)*
(C)*

(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. This arrangement may be provided on an individual case basis. Refer to Section 7.8.5.(c)(1) for rates.

(C)*

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications					
	Package HC-					
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Multiplexing:						
DS4 to DS1						X
DS3 to DS1					X	
DS2 to DS1				X		

* Issued on not less than 15 day's notice under authority of Special Permission Number 87-274 of the Federal Communications Commission.

ISSUED: April 21, 1987

EFFECTIVE: May 6, 1987

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.8 High Capacity Service (Cont.)

7.8.4 Optional Features and Functions (Cont.)

(B) DSL Access Service Connection

The DSL Service Connection function provides for the interconnection of a 1.5444 Mbps or 44.736 Mbps High Capacity Service with ADSL Access as described in 8.1, following and Technical Reference ANSI T1.413-1998.

Rates and charges for the DSL Access Service Connection function are as set forth in Section 17.2.5(D)(2), following. (T)
This function applies to each 1.5444 Mbps or 44.736 Mbps High Capacity Service terminated at a DSL Access Service Connection Point.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.8 High Capacity Service (Cont.)

7.8.5

(D)

(M)*

(M)*

* Certain regulations and charges previously found on this page can now be found on page 371.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

TARIFF F.C.C. NO. 1
SIXTH REVISED PAGE 338
CANCELS FIFTH REVISED PAGE 338

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.8 High Capacity Service (Cont.)

7.8.5

(D)

(M)*

(M)*

* Certain regulations and charges previously found on this page can now be found on pages 371 and 372.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
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FOURTH REVISED PAGE 339
CANCELS THIRD REVISED PAGE 339

SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

7.8 High Capacity Service (Cont.)

7.8.6 Individual Case Filings

Certain regulations previously on this page can now be found on Nineteenth Revised page 337.

ISSUED: April 25, 2003

EFFECTIVE: May 10, 2003

Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company

P.O. Box 480
Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

TARIFF F.C.C. NO. 1
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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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ISSUED: October 3, 1986

EFFECTIVE: January 1, 1987

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

THE CHILLICOTHE TELEPHONE COMPANY
ACCESS SERVICE

TARIFF F.C.C. NO. 1
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SECTION 7. SPECIAL ACCESS SERVICE (Cont.)

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ISSUED: October 3, 1986 EFFECTIVE: January 1, 1987
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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 8. ADVANCED COMMUNICATIONS NETWORKS

(T)

8.1 Asymmetrical Digital Subscriber Line

(T)

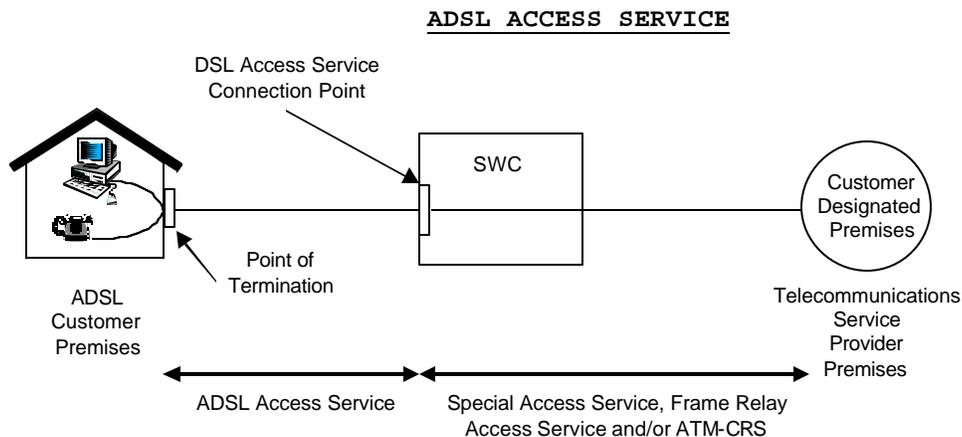
8.1.1 General Description

(T)

Asymmetric Digital Subscriber Line (ADSL) Access Service enables data traffic generated by the customer provided modem to be transported to a DSL Access Service Connection Point using the Telephone Company's local exchange service facilities. A DSL Access Service Connection Point is an interconnection point designed by the Telephone Company that aggregates data traffic from and to Telephone Company ADSL-equipped Serving Wire Centers (SWCs). The DSL Access Service Connection Point may be located within the operating territory of the Telephone Company for connections to Special Access Services or Frame Relay Access Service.

When the DSL Access Service Connection Point is located within the Telephone Company's operating territory, the customer's ADSL Access Service must be connected to a telecommunications service provider's (TSP) customer designated premises using either the Telephone Company's Special Access Services or Frame Relay Access Service.

A general view of how ADSL Access Service could be interconnected with a TSP's network is depicted in the figure following. In the example, the customer's ADSL-equipped Serving Wire Center and the associated DSL Access Service Connection Point are located in the same office within the Telephone Company's operating territory. The ADSL Access Service customer orders ADSL Access Service pursuant to the provisions specified in this section. The ADSL Access Service customer's TSP orders Special Access Services or Frame Relay Access Service pursuant to the provisions specified in Section 7, preceding, to connect its customer designated premises to the DSL Access Service Connection Point.



ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 8. ADVANCED COMMUNICATIONS NETWORK (Cont'd) (T)

8.1 Asymmetrical Digital Subscriber Line (Cont'd) (T)

8.1.2 Limitations (T)

ADSL Access Service is available at a maximum upstream speed of 512 kbps (i.e., from the customer's equipment up to the DSL Access Service Connection Point) and a maximum downstream speed of 1.544 Mbps (from the DSL Access Service Connection Point down to the customer's equipment). These peak speeds are not guaranteed by the Telephone Company due to factors that may affect the actual speeds delivered, including the ADSL Access Service customer's distance from the Telephone Company Serving Wire Center, condition of the facilities, and any capacity limitations in the TSP's network design. The Telephone Company does not provide customer premises equipment (CPE) in conjunction with the ADSL Access Service offering. ADSL Access Service may not be used in conjunction with multi-point Special Access Service Configurations as described in Section 7 preceding.

ADSL Access Service will be furnished where suitable facilities exist as determined by the Telephone Company. The Telephone Company will identify its ADSL-equipped Serving Wire Centers.

ADSL Access Service will be provided over existing Telephone Company local exchange service lines. Rates and regulations for ADSL Access Service are in addition to any rates and regulations that apply for the associated local exchange service line provided under the terms and conditions in the Telephone Company's general and/or local exchange service tariffs. The Telephone Company will automatically disconnect ADSL Access Service when the associated local exchange service line is disconnected for any reason.

Rates and regulations for ADSL Access Service are in addition to any rates and regulations that apply for the ADSL Access Service customer's local exchange service.

Rates and regulations for Special Access Service will apply for the access service(s) provided between the telecommunications service provider's customer designated premises and the DSL Access Service Connection Point, as described in Section 7, preceding.

8.1.3 Undertaking of the Telephone Company (T)

The Telephone Company will provide ADSL Access Service at rates and charges as set forth in Section 17.4.1 as follows: (T)

- (A) The Telephone Company will determine if the customer's local exchange service line is suitable for use with ADSL Access Service.

SECTION 8. ADVANCED COMMUNICATIONS NETWORKS (Cont'd) (T)

8.1 Asymmetrical Digital Subscriber Line (Cont'd) (T)

8.1.3 Undertaking of The Telephone Company (Cont'd) (T)

Service will not be provided on lines that the Telephone Company determines are not suitable for ADSL Access Service or on lines that produce interference with other services provided by the Telephone Company.

(B) The Telephone Company, after determining if the local exchange service line is suitable for ADSL Access Service, will notify the customer if any additional CPE is necessary to support ADSL Access Service.

(C) Telephone Company will provision and maintain ADSL Access Service from the DSL Connection Point to the Point of Termination at the ADSL Access Service customer's premises.

8.1.4 Obligations of the Customer (T)

In addition to the regulations described in other sections of this tariff, the following provisions apply to ADSL Access Service:

(A) The customer must subscribe to local exchange service from the Telephone Company pursuant to the Telephone Company's general and/or local exchange service tariffs. The Telephone Company will automatically disconnect ADSL Access Service when the associated local exchange service is disconnected for any reason.

(B) The customer is responsible for providing the Telephone Company with the necessary information to provision ADSL Access Service (e.g., customer name, telephone number and premises address; billing name and address when different from the customer name and premises address; customer contact name and telephone number and the contact name and telephone number of the telecommunications service provider with which the customer's ADSL Access Service will interconnect).

(C) The customer is responsible for providing and maintaining all customer provided CPE, which is compatible with ADSL Access Service and complies with the standards specified in Technical Reference ANSI T1.413-1998.

(M)*

* Certain regulations previously found on this page can now be found on page 353.1.

SECTION 8. ADVANCED COMMUNICATIONS NETWORKS (Cont'd) (T)

8.1 Asymmetrical Digital Subscriber Line (Cont'd) (T)

Rate Regulations (T) (M)

This section contains the regulations governing the rates and charges that apply for ADSL Access Service. Regulations governing the rates and charges for the Special Access Service used in conjunction with ADSL Access Service are as specified in Section 7, preceding. The rates for ADSL Access Services will be billed to the subscriber of the local exchange service. (M)

(A) Minimum Period (T)

The minimum period for which ADSL Access Service is provided to a customer and for which charges are applicable is one year (12 months.)

(B) Moves (T)

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

- ? The Point of Termination at the customer designated premises
- ? The ADSL Access Service customer designated premises

The provisions for moves of ADSL Access Service are the same as those described in Section 7.2.3, preceding, except that an Access Order Change Charge will not apply.

(C) Temporary Suspension of Service (T)

When an ADSL Access Service customer temporarily suspends its local exchange service, the ADSL Access Service and one-half of the ADSL Line Charge monthly-rate will be temporarily suspended for the time period that the associated local exchange service is suspended.

(D) Rate Categories (T)

There are three types of rates and charges applicable to ADSL Access Service. These are a monthly rate, a nonrecurring charge, and a network reconfiguration charge.

(M)#
|
(M)#

* Certain regulations currently found on this page previously appeared on page 353.
Certain regulations previously found on this page can now be found on page 353.2.

SECTION 8. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

(T)

8.1 Asymmetrical Digital Subscriber Line (Cont'd)

(T)

8.1.5 Rate Regulations (Cont'd)

(T)

(D) Rate Categories (Cont'd)

(T)

The monthly rate for the ADSL Line Charge applies each month or fraction thereof for each local exchange service line equipped with ADSL Access Service. A nonrecurring charge applies per local exchange service for the installation of ADSL Access Service.

(M)*

All changes to existing ADSL Access Service (e.g., a change of TSP and restoring of the ADSL Access Service following a disconnect for non-payment of charges and/or a disconnect of the associated local exchange service line for any reason), other than changes involving DSL network reconfigurations and administrative activities, will be treated as a discontinuance of the existing service and an installation of a new service. A nonrecurring installation charge will apply per ADSL Access Service line for this work activity.

(M)*

A DSL Network Reconfiguration Charge applies when the ADSL Access Service customer's TSP requests the Telephone Company to modify the Telephone Company's network to: 1) accommodate a change in the ADSL Access Service customer's existing IP address or 2) limit the data speed delivered over the customer's existing ADSL Access Service line. This charge applies for each request per ADSL Access Service line. The Telephone Company will bill the DSL Network Reconfiguration Charge to the ADSL Access Service customer's TSP. The following administrative changes will be made without a charge to the customer:

- ? Change of customer 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),
- ? Change of billing account number,
- ? Change of agency authorization that requires no changes to the Telephone Company's network,
- ? Change of customer contact name or telephone number,
- ? Change of jurisdiction.

(M)#

*Certain regulations currently found on this page previously appeared on page 353.1

Certain regulations previously found on this page can now be found on page 353.3

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 9. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES

9.1 General Description

Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service or Special Access Service in a manner which includes one or more of the following conditions: Diversity, Avoidance, Cable-Only Facilities.

9.2 Regulations, Rates, and Charges

Regulations, Rates, and Charges for Special Routing of Access Services, subject to availability, are the same as those set forth in Section 11 of the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5.

(T)
(T)

The Chillicothe Telephone Company is concurring with Section 11 of the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5 per Special Permission Number 86-696.

(T)
(T)

SECTION 10. SPECIALIZED SERVICE OR ARRANGEMENTS

10.1 General Description

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.

10.2 Regulations, Rates, and Charges

Regulations, Rates, and Charges for specialized service or arrangements, subject to availability, are the same as those set forth in Section 12 of the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5.

(T)

(T)

The Chillicothe Telephone Company is concurring with Section 12 of the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5 per Special Permission Number 86-696.

(T)

SECTION 12. EXCEPTIONS TO ACCESS SERVICE OFFERINGS

12.1 General Description

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 12.2 through 12.6 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 premises city to assure itself that all of the service or service components required for a given customer service are currently available.)

12.2 The following service(s) is (are) not offered in the operating territory of listed Issuing Carriers.

(Reserved for future use.)

12.3 The following offering(s) is (are) limited to existing locations. No inside moves, rearrangements or additions will be permitted.

(Reserve for future use.)

12.4 The following offering(s) is (are) limited to existing locations. Inside moves or rearrangements may be undertaken. However, no additions will be permitted

(Reserve for future use.)

12.5 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.)

(M)

(M)

Certain regulations on this page formerly appeared on page 658 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

EFFECTIVE: Janu

12.6 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.

(M)

(Reserved for future use.)

(M)

Certain regulations on this page formerly appeared on page 658 of the EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 1.

ISSUED: October 3, 1986

EFFECTIVE: Janu

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 13. INTERFACE GROUPS, TRANSMISSION SPECIFICATIONS AND CHANNEL INTERFACES

13.1 General Description

This section covers the Interface Groups, Transmission Specifications and Channel Interfaces:

The Interface Groups consist of Local Transport Group 1 which is provided with Type C Transmission Specifications, and Groups 2 through 10 which are provided with Type A or B Transmission Specifications, 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.

Switched Access Service Feature Groups have available three standard transmission specifications: Type A, Type B, and Type C. The specific applications in terms of the Feature Groups and Interface Groups with which the Feature Group standard Transmission Specifications are provided are set forth in 6.2.1(c), 6.2.2(c), 6.2.3(c), and 6.2.4(c) preceding.

Channel Interfaces specify the channel interface and network channel codes that the customer must specify when ordering Special Access Service.

13.2 Regulations

Regulations for Interface Groups, Transmission Specifications and Channel Interfaces, subject to service offerings and technical capability and feasibility, are the same as those set forth in Section 15 of the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5.

The Chillicothe Telephone Company is concurring with Section 15 of the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 5 per Special Permission Number 86-696.

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(T)
(T)

THE CHILLICOTHE TELEPHONE COMPANY
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ORIGINAL PAGE 360

SECTION 14. RESERVED FOR FUTURE USE

(N)

ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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ORIGINAL PAGE 361

SECTION 15. RESERVED FOR FUTURE USE

(N)

ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

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SECTION 16. RESERVED FOR FUTURE USE

(N)

ISSUED: May 17, 2004 EFFECTIVE: June 1, 2004
Pete M. Holland, Vice President - Finance
The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 17. RATES AND CHARGES

17.1 Switched Access Services

The following rates and charges apply to the Company's provided Feature Groups (FGA, FGB, FGC, and FGD).

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
17.1.1 <u>Local Transport</u>		
(A) <u>Entrance Facility</u> (Section 6.1.2(A)(1))		
Per Termination		
- Voice Grade Four Wire	\$153.21	(R)
- High Capacity DS1	\$513.43	(R)
(B) <u>Direct Trunked Transport</u> (Section 6.1.2 (A)(3))		
(1) <u>Direct Trunked Termination</u>		
Per Termination		
- Voice Grade (section)	\$11.03	(R)
- High Capacity DS1 (section)	\$133.57	(R)
(2) <u>Direct Trunked Facility</u>		
Per Mile		
- Voice Grade (section)	\$5.57	(I)
- High Capacity DS1 (section)	\$33.42	(I)
(C) <u>Multiplexing</u> (Section 6.1.2(A)(7))		
Per Arrangement		
- DS3 to DS1 (section)	\$361.76	
- DS1 to Voice (section)	\$335.69	
(D) <u>Nonrecurring Charges</u> (Section 6.7.1(C)(1))		
(1) Local Transport Installation Per Entrance Facility -Per Line or Trunk		\$204.88

ISSUED: June 16, 2004

EFFECTIVE: July 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 17.	<u>RATES AND CHARGES</u> (Cont'd)			(N)
17.1	<u>Switched Access Services</u> (Cont'd)			(M)*
17.1.1	<u>Local Transport</u> (Cont'd)	<u>Monthly</u>	<u>Nonrecurring</u>	
		<u>Rate</u>	<u>Charge</u>	
	(D) <u>Nonrecurring Charges</u> (Cont'd)			
	(2) Interim NXX Translation			
	- Per Order, Per LATA or Market Area		\$44.00	
	(3) FGC and FGD Conversion of Multi-frequency Address Signaling to SS7 Signaling or SS7 Signaling to Multi-frequency Address Signaling			
	- Per 24 Trunks Converted or Fraction thereof on a Per Order Basis		\$204.88	
	(4) Trunk Activation			
	- Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis		\$204.88	
	(5) Local Transport-Installation			
	- Per Line or Trunk		\$204.88	
	(E) <u>Common Channel Signaling Network Connection</u> (Section 6.1.2(A)(6)(a))			
	(1) <u>Signaling Network Access Link</u>			
	- Signaling Mileage Facility Per Mile	\$30.15	\$204.88	
	- Signaling Mileage Termination Per Termination	\$76.17	\$204.88	
	- Signaling Entrance Facility Per Facility	\$30.15	\$204.88	(M)*

*Certain rates and charges on this page formerly appeared on pages 260 and 261.

SECTION 17. RATES AND CHARGES (Cont'd)

17.1 Switched Access Services (Cont'd)

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
17.1.2 <u>End Office</u>		
(A) <u>Local Switching</u> (Section 6.1.2(B)(1))		
(1) Premium Feature Group D(including Feature Group A and B when utilized for the provision of MTS/WATS Service) - Per access minute	\$.004472	(R)
(B) <u>Directory Assistance</u> (Section 6.1.2(B)(2))		
(1) Information Surcharge - Per access minute	\$.000588	(R)
(C) <u>800/888 Data Base Query Charge</u> (Section 6.1.2(B)(2))		
- Per Query		
- Basic	\$.009430	
- Enhanced Features	\$.009660	

17.1.3 Chargeable Optional Features

(A) <u>Non-switched Transport on OC-48</u> <u>Dedicated Ring Service</u> (Section 6.2.4(B)(4)(b))		
- Per access minute (per the rings)	\$.000542	

SECTION 17. <u>RATES AND CHARGES</u> (Cont'd)			(N)
17.2 <u>Special Access Services</u> (Cont'd)			(M)*
17.2.1 <u>Surcharge for Special Access Service</u> (Section 7.3.2 (A))	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>	
- Per Voice Grade Equivalent	\$25.00		(M)*

*Certain rates and charges on this page formerly appeared on page 312.

SECTION 17. RATES AND CHARGES (Cont'd)

17.2 Special Access Services (Cont'd)

Regulations concerning Voice Grade Service are set forth in Section 7.5 preceding.

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
17.2.2 <u>Voice Grade Service</u>		
(A) Channel Termination		
- Per Termination		
- Two-Wire	\$30.74	\$82.40
- Four-Wire	\$64.40	\$82.40 (I)
(B) Channel Mileage		
- Per Mile	\$.58	(R)
(C) Optional Features and Functions		
(1) Bridging		
(a) <u>Voice Bridging</u>		
Two-Wire/Four-Wire		
- Per Port		
- Two-Wire	\$4.40	
- Four-Wire	\$4.40	
(b) <u>Data Bridging</u>		
Two-Wire/Four-Wire		
- Per Port		
- Two-Wire	\$4.40	
- Four-Wire	\$4.40	
(c) <u>Telephoto Bridging</u>		
Two-Wire/Four-Wire		
- Per Port		
- Two-Wire	\$4.40	
- Four-Wire	\$4.40	

ISSUED: June 16, 2004

EFFECTIVE: July 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

Chillicothe, Ohio 45601-0480

SECTION 17. RATES AND CHARGES (Cont'd) (N)

17.2 Special Access Services (Cont'd) (M)*

17.2.2 Voice Grade Service (Cont'd)

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
--	-------------------------------	--------------------------------------

(C) Optional Features and Functions (Cont'd)

(2) Conditioning		
- Per Termination		
- C-Type	\$6.01	
(3) Improved Return Loss for Effective Two- Wire or Four-Wire Transmission		
- Per Termination		
- Two-Wire	\$1.78	
- Four-Wire	\$1.78	
(4) Customer Specified Receive Level		
- Per Two-Wire		
- Termination	None	
(5) Data Capability		
- Per Termination	\$1.34	\$247.03
(6) Telephoto Capability		
- Per Termination	\$2.97	\$247.03
(7) Signaling Capability		
- Per Termination	\$13.87	

*Certain rates and charges on this page formerly appeared on pages 324 and 325.

SECTION 17. RATES AND CHARGES (Cont'd)

(N)

17.2 Special Access Services (Cont'd)

(M)*

Regulations concerning Program Audio Service are set forth in
Section 7.6 preceding

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>	
17.2.3 <u>Program Audio Service</u>			
(A) Channel Termination			
- Per termination			
- Per two-wire	\$22.62	\$82.40	
- Per four-wire	\$41.90	\$82.40	
(B) Channel Mileage			
- Per Mile	\$17.72		(M)*

*Certain rates and charges on this page formerly appeared on pages 327 and 328

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

Pete M. Holland, Vice President - Finance

The Chillicothe Telephone Company

P.O. Box 480

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SECTION 17. RATES AND CHARGES (Cont'd)

17.2 Special Access Services (Cont'd)

Regulations concerning Digital Data Service are set forth in Section 7.7 preceding

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
17.2.4 <u>Digital Data Service</u>		
(A) Channel Termination		
- Per Termination		
- Per four-wire	\$86.19	\$156.24 (I)
(B) Channel Mileage		
- Per Mile	\$.69	(R)
(C) Optional Features and Functions		
(1) Bridging		
- Per Port	\$8.57	

ISSUED: June 16, 2004

EFFECTIVE: July 1, 2004

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The Chillicothe Telephone Company
P.O. Box 480
Chillicothe, Ohio 45601-0480

SECTION 17. RATES AND CHARGES (Cont'd)

17.2 Special Access Services (Cont'd)

Regulations concerning High Capacity Service are set forth in Section 7.8 preceding.

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>	
17.2.5 <u>High Capacity Service</u>			
(A) Channel Termination			
- Per Termination			
- DS1 1.544 Mbps	\$128.79	\$381.10	(I)
- Capacity of 1 DS3 44.736 Mbps			
- Interface			
- Per DS3 Channel Install	\$1,088.99	\$2,758.00	(I)
- Capacity of 3 DS3 44.736 Mbps			
- Interface			
- Per DS3 Channel Install	\$3,981.48	\$2,758.00	
- Capacity of 12 DS3 44.736 Mbps			
- Interface			
- Per DS3 Channel Install	\$7,876.92	\$2,758.00	
(B) Channel Mileage			
- Per 1.544 Mbps	\$4.30		(R)
- Per 44.736 Mbps	\$4.62		(R)
(C) Term Discounts			
- DS1 and DS3 Service			
- 36 months		10%	
- 60 months		20%	

ISSUED: June 16, 2004

EFFECTIVE: July 1, 2004

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SECTION 17. RATES AND CHARGES (Cont'd)

(N)

17.2 Special Access Services (Cont'd)

(M)*

17.2.5 High Capacity Service (Cont'd)

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(D) Optional Features and Functions

(1) Multiplexing, per arrangement

DS4 to DS1	ICB	
DS3 to DS1	\$361.76	
DS2 to DS1	ICB	
DS1C to DS1	ICB	
DS1 to Voice#	\$335.69	
DS1 to DS0	\$582.02	
DS0 to Sub-rates		
- Up to 20 2.4 kbps service	\$475.98	
- Up to 10 4.8 kbps service	\$245.33	
- Up to 5 9.6 kbps service	\$170.56	

(2) DSL Access Service Connection

- per 1.544 Mbps	\$180.00	\$150.00
- per 44.736 Mbps	\$1,250.00	\$550.00 (M)*

A channel of this DS1 to the hub can be used for Digital Data Service.

*Certain rates and charges on this page formerly appeared on page 338.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

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SECTION 17. RATES AND CHARGES (Cont'd)

(N)

17.3 Other Services

(M)*

<u>17.3.1 Access Ordering</u>	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(A) Access Order Charge

- Per order (Section 5.2.1) \$78.00

(B) Miscellaneous Service Order Charge

- Per occurrence (Section 5.2.3) \$31.00

(C) Service Date Change Charge

Service Date Change Charge will apply, On a per order per occurrence basis, for each service date changed. The applicable charge is:

- Per order (Section 5.2.4(A)) \$28.94

(D) A Service Date Change Dispatch Charge

A Service Date Change Dispatch Charge will apply per occurrence when a technician is dispatched to the customer's premises and the customer is not ready for service. The applicable charge is:

- Per occurrence (Section 5.2.4(A)) \$200.00

(E) Design Change Charge

The Design Change Charge will apply on a per order, per occurrence basis, for each order requiring a design change. The applicable charge is:

- Per order (Section 5.2.4(C)) \$62.52 (M)*

*Certain rates and charges on this page formerly appeared on pages 110.2, 111.2, 113.1 and 115)

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

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SECTION 17. RATES AND CHARGES

(N)

17.4 Advanced Communications Networks

(M)*

<u>17.4.1 Asymmetrical Digital Subscriber Line</u>	<u>Monthly Nonrecurring Rate</u>	<u>Charge</u>
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(A) Basic Service Packages - Per Line
(Section 8.1.5(D))

(1) Downstream Speed 256 Kbps	\$12.95	\$49.95
(2) Downstream Speed 384Kbps	\$19.95	\$49.95
(3) Downstream Speed 768Kbps	\$29.95	\$49.95
(4) Downstream Speed 1.5Mbps	\$69.95	\$49.95

(D)
(R)
(R)
(R)
(R)

(B) Change Charge

(1) Speed Change Charge		\$15.00
(2) Addition of SP Connections		\$15.00
(3) Revision to SP Connection		\$15.00

(C) DSL Network Reconfiguration

- Per DSL Access Service Line,
- per request

\$150.00 (M)*

*Certain rates and charges on this page formerly appeared on page 353.3.

ISSUED: May 17, 2004

EFFECTIVE: June 1, 2004

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P.O. Box 480

Chillicothe, Ohio 45601-0480