

ACCESS SERVICE

Regulations, Rates and Charges  
applying to the provision of Access Services  
within a Local Access and Transport Area (LATA) or  
equivalent Market Area for connection to interstate  
communications facilities for Interstate Customers within  
the operating territories of

TDS METROCOM, LLC

and

Issuing Carriers  
as provided herein.

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Issued: June 19, 2003

Effective: June 20, 2003

Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

ACCESS SERVICE

ISSUING CARRIERS

(D)  
|  
(D)

U.S. Link, Inc.  
P.O. Box 327  
Pequot Lakes, MN 56472

TDS Metrocom, LLC  
525 Junction Rd., Suite 6000  
Madison, WI 53717

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
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## ACCESS SERVICE

CHECK SHEET

Title Page 1 and Pages 1 to 15-87 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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TDS METROCOM, LLC  
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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

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CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

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## ACCESS SERVICE

EXPLANATION OF SYMBOLS

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

EXPLANATION OF ABBREVIATIONS

ADA	-	Abbreviated Dialing Arrangement
AML	-	Actual Measured Loss
ANI	-	Automatic Number Identification
AP	-	Program Audio
AT&T	-	American Telephone and Telegraph Company
BHMC	-	Busy Hour Minutes of Capacity
CCS	-	Common Channel Signaling
CDP	-	Customer Designated Premises
CI	-	Channel Interface
CIR	-	Committed Information Rate
CNP	-	Charge Number Parameter
CO	-	Central Office
Cont'd	-	Continued
CPE	-	Customer Provided Equipment
CPN	-	Calling Party Number
CSP	-	Carrier Selection Parameter
DA	-	Directory Assistance
dB	-	decibel
DBrnc	-	Decibel Reference Noise C-Message Weighting
DBrncO	-	Decibel Reference Noise C-Message Weighted O
dc	-	direct current
DDD	-	Direct Distance Dialing
EAS	-	Extended Area Service
EDD	-	Envelope Delay Distortion
EML	-	Expected Measured Loss
EPL	-	Echo Path Loss
ERL	-	Echo Return Loss
ESS	-	Electronic Switching System
ESSX	-	Electronic Switching System Exchange
f	-	frequency
F.C.C.	-	Federal Communications Commission
FRAS	-	Frame Relay Access Service

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 TDS METROCOM, LLC  
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 Madison Wisconsin 53717

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EXPLANATION OF ABBREVIATIONS (Cont'd)

HC	-	High Capacity
Hz	-	Hertz
IC	-	Interexchange Carrier
ICB	-	Individual Case Basis
ICL	-	Inserted Connection Loss
kbps	-	kilobits per second
kHz	-	kilohertz
LAN	-	Local Area Network
LATA	-	Local Access and Transport Area
ma	-	milliamperes
Mbps	-	Megabits per second
mcs	-	Microsecond
MHz	-	Megahertz
MRC	-	Monthly Recurring Charge
MT	-	Metallic
MTS	-	Message Telecommunications Service(s)
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NXX	-	Three-Digit Central Office Prefix
PBX	-	Private Branch Exchange
PIC	-	Presubscribed Interexchange Carrier
POT	-	Point of Termination
PVC	-	Permanent Virtual Connection
SAC	-	Service Access Code
SNAL	-	Signaling Network Access Line
SP	-	Signaling Point
SPOI	-	Signaling Point of Interface
SRL	-	Singing Return Loss
SSP	-	Service Switching Point
SS7	-	Signaling System 7
STP	-	Signal Transfer Point
SWC	-	Serving Wire Center
TG	-	Telegraph Grade
TLP	-	Transmission Level Point
TV	-	Television
VG	-	Voice Grade
V & H	-	Vertical & Horizontal
WATS	-	Wide Area Telecommunications Service(s)
WSC	-	Wireless Switching Center
WSO	-	WATS Serving Office

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

ACCESS SERVICE

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.

The following tariffs are referenced in this tariff and may be obtained from the Federal Communications Commission's commercial contractor:

National Exchange Carrier  
Association, Inc.  
Wire Center Information  
Tariff F.C.C. No. 4

REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Bell Communications Research, Inc., Customer Services, 60 New England Ave., Piscataway, NJ 08854-4196.

Technical Reference:

Multiple Exchange Carrier Access Billing (MECAB) Guidelines  
Issued: June 1994

Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines  
Issued: May 1994

PUB 41004 Data Communications Using Voiceband Private Line Channels  
Issued: October 1973

PUB 62310 (MDP-326-726) Digital Data System Channel Interface  
Specification  
Issued: September 1983

PUB 62411 High Capacity Digital Service Channel Interface  
Specification  
Issued: September 1983, Addendum October 1984

TR-NPL-000258 Compatibility Information for Feature Group D Switched Access Service  
Issued: October 1985

TR-NWT-000334 Issue 2 Voice Grade Switched Access Service -  
Transmission Parameter Limits and Interface Combinations  
Issued: September 1990

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

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TR-TSY-000335, Issue 2 Voice Grade Special Access Service - Transmission  
Parameter Limits and Interface Combinations  
Issued: May 1990

TR-NWT-000341 Digital Data Special Access Service - Transmission  
Parameter Limits and Interface Combinations  
Issued: Issue 2, February 1993

TR-INS-000342 High Capacity Digital Special Access Service  
Issued: February 1991

SR-STS-000307 Issue 5 NC/NCI Code Dictionary  
Issued: May 1994

TR-TSY-000506 LATA Switching Systems Generic Requirements (LSSGR)  
Section 6  
Issued: October 1987, Revised December 1988, Revised June 1990

TR-NPL-000054 High Capacity Digital Service (1.544 Mbs) Interface Generic  
Requirements for End Users  
Issued: April 1989  
Available: April 1989

TR-TSV-000905 Common Channel Signaling Network Interface  
Specification Supplement 1  
Available: August 1989

TR-TSV-001370 Generic Requirements for Exchange Access  
Frame Relay PVC Service  
Issued: Issue 1, May 1993

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from the Bell Communications Technical Education Center, Room B02, 6200 Route 53, Lisle, IL 60532.

Telecommunications Transmission Engineering  
Volume 3 - Networks and Services (Chapters 6 and 7)  
Second Edition, 1980  
Issued: June 1980

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Director - Access Tariffs, 100 So. Jefferson Road, Whippany, NJ 07981 and the Federal Communications Commission's commercial contractor.

PUB AS No. 1, Issue II Access Service  
Issued: May 1984  
Addendum: March 1987

The following publications are referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capital St., N.E., Washington, D.C. 20401.

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook, National Communications System (NCSH 3-1-2).

Issued: July 1990  
Available: August 1990

Telecommunication Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual, National Communications System (NCSM 3-1-1).

Issued: July 1990  
Available: August 1990

The following publication is referenced in this tariff and may be obtained from Director-Sales Operations, Integrated Network Corporation, P.O. Box 6875, Bridgewater, NJ 08807.

Integrated Network Corporation  
Document CB-INC-100  
Available: June 1990

The following publication is referenced in this tariff and may be obtained from AT&T, 26 Parsippany Road, Whippany, NJ 07981.

AT&T PUB 62310  
(and its Addendum 2 and Addendum 3)  
Available: October 1989

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publications are referenced in this tariff and may be obtained from American National Standards Institute, 1430 Broadway, New York, New York 10018.

ANSI T1.602-1989, Integrated Services Digital Network (ISDN) - Data-Link Layer Signalling Specification for Application at the User-Network Interface.

ANSI T1.606-1990, Integrated Services Digital Network (ISDN) - Architectural Framework and Service Description for Frame-Relaying Bearer Service.

ANSI T1.606a-1992, Supplement to ANSI T1.606-1990 Integrated Services Digital Network (ISDN) - Architectural Framework and Service Description for Frame-Relaying Bearer Service (Congestion Management and Frame Size).

ANSI T1.606b-1993, Supplement to ANSI T1.606-1990 Integrated Services Digital Network (ISDN) - Architectural Framework and Service Description for Frame-Relaying Bearer Service (Network-to-Network Interface Requirements).

ANSI T1.617-1991, Integrated Services Digital Network (ISDN) - Signaling Specification for Frame Relay Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1).

ANSI T1.617a-1994, Integrated Services Digital Network (ISDN) - Signaling Specification for Frame Relay Bearer Service for Digital Subscriber Signaling System Number 1 (DSS1) Protocol Encapsulation and PICS).

ANSI T1.618-1991, Integrated Services Digital Network (ISDN) - Core Aspects of Frame Protocol for Use with Frame Relay Bearer Service.

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

ACCESS SERVICE

1. Application of Tariff

- 1.1 This tariff contains regulations, rates and charges applicable to the provision of Switched Access, Special Access, and other miscellaneous services, hereinafter referred to collectively as service(s), not subject to contracts. These services are provided to customers by the Issuing Carriers of this tariff, hereinafter the Telephone Company. This tariff also contains Access Ordering regulations and charges that are applicable when these services are ordered or modified by the customer.
- 1.2 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.

## ACCESS SERVICE

2. General Regulations2.1 Undertaking of the Telephone Company2.1.1 Scope

- (A) The Telephone Company does not undertake to transmit messages under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services it provides.
- (C) The Telephone Company will, for maintenance purposes, test its service 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) Assignment or Transfer of Services

The customer may assign or transfer the use of services provided under this tariff only where there is no interruption of use or relocation of the services. Such assignment or transfer may be made to:

- (1) another customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or

## ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.2 Limitations (Cont'd)(A) Assignment or Transfer of Services (Cont'd)

- (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. This 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) Use and Restoration of Services

The use and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A, of the Federal Communications Commission's Rules and Regulations, which specifies the priority system for such activities.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.2 Limitations (Cont'd)(C) Sequence of Provisioning

Subject to compliance with the rules mentioned in (B) preceding, the services offered herein will be provided to customers on a first-come, first-served basis.

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

2.1.3 Liability(A) Limits of Liability

The Telephone Company's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, termination, maintenance, repair or restoration of service, and subject to the provisions of (B) through (G) following, the Telephone Company's liability if any, shall not exceed an amount equal to the proportionate charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may otherwise be due the customer under this tariff as a Credit Allowance for a Service Interruption.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.3 Liability (Cont'd)(B) Acts or Omissions

The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.

(C) Damages to Customer Premises

The Telephone Company is not liable for damages to the customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.

(D) Indemnification of Telephone Company(1) By the End User

The Telephone Company shall be indemnified, defended and held harmless by the end user against any claim, loss or damage arising from the end user's use of services offered under this tariff, involving:

- (A) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the end user's own communications;

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

(D) Indemnification of Telephone Company (Cont'd)

(1) By the End User (Cont'd)

(B) Claims for patent infringement arising from the end user's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end users or customer or;

(C) All other claims arising out of any act or omission of the end user in the course of using services provided pursuant to this tariff.

(2) By the Customer

The Telephone Company shall be indemnified, defended and held harmless by the customer against any claim, loss or damage arising from the customer's use of services offered under this tariff, involving:

(A) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the customer's own communications;

(B) Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end user or customer or;

(C) All other claims arising out of any act or omission of the customer in the course of using services provided pursuant to this tariff.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.3 Liability (Cont'd)(E) Explosive Atmospheres

The Telephone Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the customer from any and all claims by any person relating to such customer's use of services so provided.

(F) No License Granted

No license under patents (other than the limited license to use) is granted by the Telephone Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff. The Telephone Company will defend the customer against claims of patent infringement arising solely from the use by the customer of services offered under this tariff and will indemnify such customer for any damages awarded based solely on such claims.

(G) Circumstances Beyond the Telephone Company's Control

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

## ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.4 Provision of Services

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

2.1.5 Facility Terminations

The services provided under this tariff will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a suitable location inside a customer-designated premises. Such wiring or cable will be installed by the Telephone Company to the Point of Termination.

2.1.6 Service Maintenance

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

## ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to FCC Part 68 Regulations at 47 C.F.R. Section 68.110(b), the Telephone Company may, where such action is reasonably required in the operation of its business, substitute, change or rearrange any facilities used in providing service under this tariff. Such actions may include, without limitation:

- substitution of different metallic facilities,
- substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities,
- substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities,
- substitution of fiber or optical facilities,
- change of minimum protection criteria,
- change of operating or maintenance characteristics of facilities, or
- change of operations or procedures of the Telephone Company.

In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in Section 13. following. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders any customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Telephone Company will provide reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Telephone Company will work cooperatively with the customer to determine reasonable notification procedures.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.8 Refusal and Discontinuance of Service

(A) If a customer fails to comply with 2.1.6 preceding (Service Maintenance) or 2.3.1, 2.3.4, 2.3.6, 2.4.1 or 2.5 following (respectively, Damages, Availability for Testing, Balance, Payment Arrangements, Connections) including any customer's failure to make payments on the date and times therein specified, the Telephone Company may, on thirty (30) days written notice to the customer by Certified U.S. Mail, take the following actions:

- refuse additional applications for service and/or refuse to complete any pending orders for service, and/or
- discontinue the provision of service to the customer.

In the case of discontinuance all applicable charges, including termination charges, shall become due.

(B) If a customer fails to comply with 2.2.2 following (Unlawful and Abusive Use), the Telephone Company may, upon written request from a customer, or another exchange carrier, terminate service to any subscriber or customer identified as having utilized service provided under this tariff in the completion of abusive or unlawful telephone calls. Service shall be terminated by the Telephone Company as provided for in its general and/or local exchange service tariffs.

In such instances when termination occurs the Telephone Company shall be indemnified, defended and held harmless by any customer or Exchange Carrier requesting termination of service against any claim, loss or damage arising from the Telephone Company's actions in terminating such service, unless caused by the Telephone Company's negligence.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.8 Refusal and Discontinuance of Service (Cont'd)

- (C) Except as provided for equipment or systems subject to the FCC Part 68 Rules in 47 C.F.R. Section 68.108, if the customer fails to comply with 2.2.1 following (Interference or Impairment), 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, the Telephone Company may temporarily discontinue service forthwith if such action is reasonable in the circumstances. In case of such temporary discontinuance, the customer will be notified promptly 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.
- (D) When access service is provided by more than one Telephone Company, the companies involved in providing the joint service may individually or collectively deny service to a customer for nonpayment. Where the Telephone Company(s) affected by the nonpayment is incapable of effecting discontinuance of service without cooperation from the other joint providers of Switched Access Service, such other Telephone Company(s) will, if technically feasible, assist in denying the joint service to the customer. Service denial for such joint service will only include calls originating or terminating within, or transiting, the operating territory of the Telephone Companies initiating the service denial for nonpayment. When more than one of the joint providers must deny service to effectuate termination for nonpayment, in cases where a conflict exists in the applicable tariff provisions, the tariff regulations of the end office Telephone Company shall apply for joint service discontinuance.

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

ACCESS SERVICE

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Refusal and Discontinuance of Service (Cont'd)

(E) If the Telephone Company does not refuse additional applications for service and/or does not discontinue the provision of the services as specified for herein, and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service and/or to discontinue the provision of the services to the non-complying customer without further notice.

(F) The Telephone Company may refuse service where it is not the carrier of last resort.

(N)  
(N)

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.1 Undertaking of the Telephone Company (Continued)

2.1.9 Notification of Service-Affecting Activities

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in the normal operation of its business. Such activities may include, but are not limited to the following:

- equipment or facilities additions,
- removals or rearrangements,
- routine preventative maintenance, and
- major switching machine change-out.

Generally, such activities are not individual customer service specific, but may affect many customer services. No specific advance notification period is applicable to all service activities. The Telephone Company will work cooperatively with the customer to determine reasonable notification requirements.

2.1.10 Coordination with Respect to Network Contingencies

The Telephone Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

2.1.11 Reserved for Future Use

(T)

(D)

(D)

## ACCESS SERVICE

2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.12 Special Construction

Subject to the arrangement of the Company and to all of the regulations contained in this tariff, special construction of facilities may be undertaken on a reasonable efforts basis at the request of the Customer. Special Construction is that construction undertaken and characterized by one or more of the following:

- 2.1.12.A where facilities are not presently available and there is no other requirement for the facilities so constructed;
- 2.1.12.B of a type other than that which the Company would normally utilize in the furnishing of its services;
- 2.1.12.C where facilities are to be installed over a route other than that which the Company would normally utilize in the furnishing of its services;
- 2.1.12.D where facilities are requested in a quantity greater than that which the Company would normally construct;
- 2.1.12.E where installation is on an expedited basis;
- 2.1.12.F on a temporary basis until permanent facilities are available;
- 2.1.12.G installation involving abnormal costs; or
- 2.1.12.H in advance of its normal construction schedules.

Special construction charges for Switched Access Services will be determined as described in Section 9 following.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.2 Use2.2.1 Interference or Impairment

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.

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;
- (2) The use of the service in such a manner as to interfere unreasonably with the use of the service by one or more other customers.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer2.3.1 Damages

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

2.3.2 Ownership of Facilities and Theft

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

## ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.3 Equipment Space and Power

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

2.3.4 Availability for Testing

Access to facilities used to provide services under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. As set forth in 2.4.4(C)(4) following, no credit will be allowed for any interruptions involved during such tests and adjustments.

2.3.5 Reserved for Future Use

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.6 Balance

All signals for transmission over the facilities used to provide services under this tariff shall be delivered by the customer balanced to ground except for ground start, duplex (DX) and McCulloch-Loop.

(D)  
(D)

2.3.7 Design of Customer Services

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

2.3.8 References to the Telephone Company

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

## ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.9 Claims and Demands for Damages

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

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)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 Reports and Certification Requirements(A) Certification Requirements – Special Access

When the Customer orders Special Access Service, and the Customer certifies to the Telephone Company in writing that ten percent or greater of the traffic is interstate, the service is considered to be interstate and is provided under this Tariff. Following initial certification, should the jurisdictional nature of the Customer's Special Access Service change, the Customer should inform the Telephone Company in writing of the change. The effective date of the change will be the date the Telephone Company receives the Customer's notice of change.

If a dispute arises concerning the certification of projected interstate traffic as described above, the Telephone Company will ask the Customer to provide the data the Customer used to determine that ten percent or greater of the traffic is interstate. The Customer shall supply the data within thirty (30) days of the Telephone Company's request. If the reply results in a jurisdictional change of a Special Access Service, the effective date of the change will be date the Telephone Company received the Customer's reply.

(B) Jurisdictional Reports – Switched Access

For Switched Access Service, the Telephone Company cannot in all cases determine the jurisdictional nature of Customer traffic and its related access minutes. In such cases the Customer may be called upon to provide a projected estimate of its traffic, split between the interstate and intrastate jurisdictions. The following regulations govern such estimates, their reporting by the Customer and cases where the Telephone Company will develop jurisdictional percentages.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Reports and Certification Requirements (Cont'd) (T)(B) Jurisdictional Reports – Switched Access (Cont'd)(1) Percent Interstate Usage (PIU) (T)

For purposes of developing the projected interstate percentage for Switched Access services, every call that originates from a calling party in one state and terminates to a called party in a different state shall be considered to be interstate communications. Every call that terminates to a called party within the same state as the state where the calling party is located shall be considered to be intrastate communications. The manner in which a call is routed through the telecommunications network does not affect the jurisdiction of a call, i.e., a call between two points within the same state is an intrastate call even if it is routed through another state.

(2) Jurisdictional Reports

When the Telephone Company receives sufficient call detail to permit it to determine the jurisdiction of some or all originating and terminating access minutes of use, the Telephone Company will use that call detail to render bills for those minutes of use and will not use PIU factor (s) to determine the jurisdiction of those minutes of use.

The Telephone Company will apply the PIU factor(s) provided by the Customer only to access services specified in Section 2.3.11 (B) (3) (a). Such PIU factor (s) will be used until the Customer provides an update to its PIU factor (s) as set forth below.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Reports and Certification Requirements (Cont'd) (T)(B) Jurisdictional Reports - Switched Access (Cont'd)(2) Jurisdictional Reports (Cont'd) (T)

Effective on the first of January, April, July and October of each year, the Customer shall provide a revised jurisdictional report showing the interstate and intrastate percentage of use by end office for the past three months ending the last day of December, March, June and September, respectively, for each service arranged for interstate use. The Customer shall forward the update report to the Telephone Company, to be received no later than fifteen (15) days after the first of each such month. Such revised report will serve as the basis for the next three month's billing for determining the jurisdiction of Switched Access Services as described in Section 2.3.11 (B) (3) (a) in cases where the Telephone Company does not have sufficient call detail to do so and will be effective on the bill date of that service. No prorating or back billing will be done based on the revised report.

If the Customer does not supply the revised report, the Telephone Company will assume the percentages to be the same as those provided in the last quarterly report. In those cases where a quarterly report has never been received, the Telephone Company will assume the percentages to be the same as those provided in the Customer's order for service or as developed by the Telephone Company as specified below. (T)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Jurisdictional Reports and Certification Requirements (Cont'd)

(T)

(B) Jurisdictional Reports - Switched Access (Cont'd)

(3) Use of PIU Factors

(T)

- (a) 500 Access Service, 700 Access Service, 900 Access Service, Toll Free Access Service

The Customer shall provide projected PIU factor (s) for 500, 700, 900 and Toll Free Access Services for each end office when placing an order and as specified in Section 2.3.11 (B) (2), above. Such PIU factors are applied where the Telephone Company does not receive sufficient call detail to determine the jurisdiction. If the Customer fails to provide a PIU factor (s) for these Access Services, the Telephone Company will develop PIU factor (s) by end office by dividing either the Customer's measured interstate originating access minutes by the Customer's total measured originating access minutes or the Customer's measured interstate terminating access minutes by the Customer's total measured terminating access minutes, whichever method the Telephone Company determines produces the more representative result. If there is insufficient call detail to allow the Telephone Company to develop a PIU factor for any of these Access Services, the projected PIU will be set on a default basis of 50 percent interstate traffic and 50 percent intrastate traffic.

(T)

## ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.11 Jurisdictional Reports and Certification Requirements (Cont'd) (T)(B) Jurisdictional Reports - Switched Access (Cont'd)(3) Use of PIU Factors (Cont'd) (T)

## (b) All Other Switched Access Services

With the exception of those Switched Access Services noted in Section 2.3.11 (B) (3) (a) above the Telephone Company will developed PIU factor (s) to be used for minutes of use for which the Telephone Company does not have sufficient call detail to determine the jurisdiction.

For originating access minutes, the Telephone Company will develop PIU factor (s) by end office by dividing either the Customer's measured interstate originating access minutes by the Customer's total measured originating access minutes or the Customer's measured interstate terminating access minutes by the Customer's total measured terminating access minutes, whichever method the Telephone Company determines produces the more representative result.

For terminating access minutes, the Telephone Company shall develop PIU factor (s) by end office by dividing either the Customer's measured interstate originating access minutes by the Customer's total measured originating access minutes or the Customer's measured interstate terminating access minutes by the Customer's total measured terminating access minutes, whichever method the Company determines produces the more representative result. When the Company receives insufficient call detail to determine the jurisdiction of all or some of the Customer's terminating access minutes, the Company will apply the PIU factor (s) developed by the Company. If there is insufficient call detail to allow the Company to develop a PIU factor, the projected PIU will be set on a default basis of 50 percent interstate traffic and 50 percent intrastate traffic. (T)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Jurisdictional Reports and Certification Requirements (Cont'd)

(T)

(B) Jurisdictional Reports - Switched Access (Cont'd)

(3) Use of PIU Factors (Cont'd)

(T)

(c) Flat Rated Switched Access Services

The PIU factors for use of such flat rated elements should reflect the combined originating and terminating traffic using such facilities. The Telephone Company will develop PIU factor (s) by end office by dividing the Customer's measured interstate originating plus terminating access minutes by the Customer's total measured originating plus terminating access minutes. If there is insufficient call detail to allow the Telephone Company to develop a PIU factor for such facilities, the projected PIU will be set on a default basis of 50 percent interstate traffic and 50 percent intrastate traffic.

(T)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Jurisdictional Reports and Certification Requirements (Cont'd)

(T)

(C) Jurisdictional Report Verification

(T)

If the Telephone Company disputes the reasonableness of the PIU provided by the Customer or the reported PIU varies by more than five percentage points over the preceding PIU, the Telephone Company may ask the Customer to provide the data used by the Customer to determine the projected interstate percentage. The Customer shall retain for a minimum of six months all detail records from which the percentage of interstate and intrastate use can be derived and shall make such records available for inspection as reasonably necessary for PIU verification. Such records shall be made available for inspection and audit within fifteen (15) days of the Telephone Company's request for verification.

(T)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Jurisdictional Report Requirements (Cont'd)

(D) Billing Disputes Involving Jurisdictional Reports - Switched Access

For Switched Access, if a billing dispute arises concerning the projected interstate percentage, the Telephone Company will ask the customer to provide the data the customer uses to determine the projected interstate percentage. The customer shall supply the data within thirty (30) days of the Telephone Company request.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.3 Obligations of the Customer (Cont'd)2.3.12 Determination of Interstate Charges for Mixed Interstate and Intrastate Switched Access Service

When mixed interstate and intrastate Switched 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 determined as set forth in 2.3.11 preceding will serve as the basis for prorating the charges unless the Telephone Company is billing according to actuals by jurisdiction. The percentage of an Access Service to be charged as interstate is applied in the following manner:

(A) Monthly and Nonrecurring Charges

For monthly and nonrecurring chargeable rate elements, multiply the percent interstate use times the quantity of chargeable elements times the stated tariff rate.

(B) Usage Sensitive Charges

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 may change as revised usage reports are submitted as set forth in 2.3.11 preceding.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances2.4.1 Payment of Rates, Charges and Deposits(A) Deposits

The Telephone Company will only require a customer which has a proven history of late payments to the Telephone Company or does not have established credit, to make a deposit prior to or at any time after the provision of a service to the customer. 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 deposit will 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 deposit will be credited to the customer's account and any credit balance which may remain will be refunded.

Such a deposit will be refunded or credited to the account when the customer has established credit or, in any event, after the customer has established a one-year prompt payment record at any time prior to the termination of the provision of the service to the customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the customer will receive interest at the same percentage rate as that set forth in (C)(2)(a) or in (C)(2)(b) following, whichever is lower.

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 Company. Should a deposit be credited to the customer's account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the customer's account.

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) Bill Dates

The Telephone Company shall bill all charges incurred by and credits due to the customer under this tariff attributable to services established or discontinued. In addition, the Telephone Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government which will be billed in arrears. The bill day (i.e., the billing date of a bill for a customer for Access Service under this tariff), the period of service each bill covers and the payment date will be as follows:

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(1) End User Access Service and Presubscription

For End User Access Service and Presubscription Service, the Telephone Company will establish a bill day each month for each end user account. The bill will cover End User Access Service charges for the ensuing billing period except for End User Access Service for the Federal Government which will be billed in arrears. Any applicable Presubscription Charges, any known unbilled charges for prior periods and any known unbilled adjustments for prior periods for End User Access Service and Presubscription Service will be applied to this bill. Such bills are due when rendered.

(T)  
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ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(B) Bill Dates (Cont'd)

(2) Access Services Other Than End User and Presubscription

For Service other than End User Access Service and Presubscription Service, the Telephone Company will establish a bill day each month for each customer account.

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(D)

The bill will cover non-usage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled non-usage sensitive charges for prior periods and unbilled usage charges for the period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and any known unbilled adjustments will be applied to this bill. Payment for such bills is due in immediately available funds by the payment date, as set forth in (C) following. If payment is not received by the payment date, a late payment penalty will apply as set forth in (C) following.

ACCESS SERVICE

2. General Regulations(Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(C) Payment Dates and Late Payment Penalties

- (1) All bills dated as set forth in (B)(2) preceding for service, other than End User Service and Presubscription Service, provided to the customer by the Telephone Company are due 31 days (payment date) after the bill day or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. If the customer does not receive a bill at least 20 days prior to the 31 day payment due date, then the bill shall be considered delayed. When the bill has been delayed, upon request of the customer the due date will be extended by the number of days the bill was delayed. Such request of the customer must be accompanied with proof of late bill receipt.

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

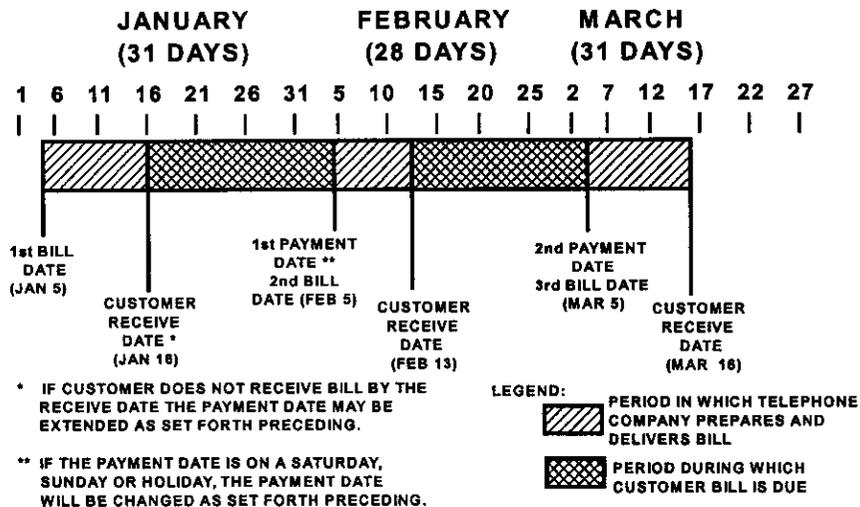
(C) Payment Dates and Late Payment Penalties (Cont'd)

(1) (Cont'd)

If such payment date would cause payment to be due on a Saturday, Sunday or Legal Holiday, payment for such bills will be due from the customer as follows:

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

**EXAMPLE: CALCULATION OF PAYMENT DATES**



## ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(C) Payment Dates and Late Payment Penalties (Cont'd)

(2) Further, if no payment is received by the payment date or if a payment or any portion of a payment is received by the Telephone Company after the payment date as set forth in (1) preceding, or if a payment or any portion of a payment is received by the Telephone Company in funds which are not immediately available to the Telephone Company, then a late payment penalty shall be due to the Telephone Company. The late payment penalty shall be the payment or the portion of the payment not received by the payment date times a late factor. The late factor shall be the lesser of:

- (a) the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company, or
- (b) 0.000292 per day, compounded daily for the number of days from the payment date to and including the date that the customer actually makes the payment to the Telephone Company.

(D) Billing Disputes Resolved in Favor of the Telephone Company

Late payment charges will apply to amounts withheld pending settlement of the dispute. Late payment charges are calculated as set forth in (C)(2) preceding except that when the customer disputes the bill on or before the payment date and pays the undisputed amount on or before the payment date, the penalty interest period shall not begin until 10 days following the payment date.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(E) Billing Disputes Resolved in Favor of the Customer

If the customer pays the total billed amount and disputes all or part of the amount, the Telephone Company will refund any overpayment. In addition, the Telephone Company will pay to the customer penalty interest on the overpayment. When a claim is filed within 90 days of the due date, the penalty interest period shall begin on the payment date. When a claim is filed more than 90 days after the due date, the penalty interest period shall begin from the date of the claim or the date of overpayment, whichever is later.

The penalty interest period shall end on the date that the Telephone Company actually refunds the overpayment to the customer. The penalty interest rate shall be the lesser of:

- (1) the highest interest rate (in decimal value) which may be levied by law for commercial transactions, compounded daily for the number of days from the first date to and including the last date of the period involved, or
- (2) 0.000292 per day, compounded daily for the number of days from the first date to and including the last date of the period involved.

(F) Proration of Charges

Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days based on a 30 day month. The Telephone Company will, upon request, furnish within 30 days of a request and at no charge to the customer such detailed information as may reasonably be required for verification of any bill.

ACCESS SERVICE



2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

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

(G) Rounding of Charges

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).

(H) Billing Corrections

When billing adjustments or credits are required to correct prior billed charges, any billing adjustment or credit will be limited to the six (6) month period prior to date incorrect billing was discovered.

(C)

2.4.2 Minimum Periods/Early Termination Liability

The minimum period for Special Access High Capacity DS3, OCN Facilities and Switched Access DS3 Intermediate Transport Service is twelve months.

Switched Access usage rated services have no minimum period.

The minimum period for which all other Access Service is provided and for which charges are applicable is one month, unless otherwise stated in a Term Agreement Plan entered into by Customer.

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.

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(M) Material moved to Page 2-36

(M)

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 **Payment Arrangements and Credit Allowances** (Continued)

APPROVED

2.4.2 **Minimum Periods/Early Termination Liability** (Continued)

- (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 total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.
- (C) When a service has a term discount and is disconnected before the expiration of the term, Early Termination Liability Charges will apply. The charges are calculated by taking the monthly recurring rate multiplied by the remaining term multiplied by 50%. For example: If the monthly rate is \$2,000 and the months remaining on the term are 20, the charge would be \$2,000 x 20 x 50% for an Early Term Liability Charge of \$20,000.

2.4.3 **Cancellation of an Order for Service**

Provisions for the cancellation of an order for service are set forth in other applicable sections of this tariff.

2.4.4 **Credit Allowance for Service Interruptions**

(A) **General**

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

(B) **When a Credit Allowance Applies**

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

For Special Access Services, any period during which the error performance is below that specified for the service will be considered as an interruption.

(M) Material previously appeared on Page 2-35

(M)  
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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 **Payment Arrangements and Credit Allowances** (Continued)

2.4.4 **Credit Allowance for Service Interruptions** (Continued)

(B) **When a Credit Allowance Applies** (Continued)

Credit allowances are computed as follows:

(1) **Special Access Service and Flat Rated Switched Access Service Rate Elements**

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

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

(a) **Two-point Services**

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

(b) **Reserved for Future Use**

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## ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) When a Credit Allowance Applies (Cont'd)(1) Special Access Service and flat rated Switched Access Service rate elements (Cont'd)(c) Multiplexed Services

For multiplexed services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service. When the service which rides a channel of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the hub to a customer premises.

(d) Flat rated Switched Access rate elements

For flat rated Switched Access Service rate element monthly charge shall be the total of all the monthly rate element charges associated with the service.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

(1) Special Access Service and flat rated  
Switched Access Service rate elements (Cont'd)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

(2) Reserved for Future Use

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) When a Credit Allowance Applies (Cont'd)(3) Switched Access Service Usage Rated Elements

For Switched Access Service usage rated elements, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of any applicable monthly rate or assumed minutes of use charge for each period of 24 hours or major fraction thereof that the interruption continues.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) When a Credit Allowance Applies (Cont'd)(4) Credit Allowances Cannot Exceed Monthly Rate

The credit allowance(s) for an interruption or for a series of interruptions shall not exceed any monthly rate for the service interrupted in any one monthly billing period.

(C) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

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

## ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(C) When a Credit Allowance Does Not Apply (Cont'd)

- (5) Interruptions of a service which continue because of the failure of the customer to authorize replacement of any element of 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, that would result in credit in an amount less than one dollar.

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

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

## ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(E) Temporary Surrender of a Service (Cont'd)

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

2.4.5 Re-establishment of Service Following Fire, Flood or Other Occurrence(A) Nonrecurring Charges Do Not Apply

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

- (1) The service is of the same type as was provided prior to the fire, flood 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).

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 **Payment Arrangements and Credit Allowances** (Continued)

2.4.5 **Re-establishment of Service Following Fire, Flood or Other Occurrence**  
(Continued)

(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.

2.4.6 **Title or Ownership Rights**

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

2.4.7 **Access Services Provided by More Than One Telephone Company**

When an Access Service is provided by more than one Telephone Company, the Telephone Company will utilize the billing method as set forth in (B) (2) following based on the service being provided. The customer will place the order for the service as set forth in 5.3 following.

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 **Payment Arrangements and Credit Allowances** (Continued)

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

(B) **Meet Point Billing**

Meet Point Billing is required when an access service is provided by multiple Telephone Companies for Feature Groups C and D Switched Access Services and Special Access.

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**ACCESS SERVICE**

2. General Regulations (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(1) Single Bill/Single Tariff

The single bill/single tariff bill provides a meet point bill that is billed completely at the Billing Rendering Company's tariff rates and regulations. Single Bill/Single Tariff is only available for Special Access requests.

The Bill Rendering Company will:

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

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

(N)  
|  
(N)

The Telephone Company will provide notice thirty days prior to changing an existing meet point arrangement. NECA Tariff F.C.C. No. 4 will be updated as needed to reflect changes to Meet Point Arrangements.

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(D)

(D)

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(D)

(D)

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 **Payment Arrangements and Credit Allowances** (Continued)

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

(B) **Meet Point Billing** (Continued)

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(D)

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(D)

(D)

(2) Multiple Bill

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

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(T)

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(2) Multiple Bill (Continued)

(T)

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

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

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

(T)

(T)

Each Telephone Company's portion of the Transport and Channel Mileage will be developed as follows:

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- (a) Determine the appropriate Transport or Channel Mileage by computing the number of airline miles between the Telephone Company premises using the V&H method set forth in 7.2.5 following.

(T)(M)

(T)(M)

(M) Text previously listed on Page 2-54

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

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

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(T)

(D)  
(T)(M)  
(T)(M)

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

(c) Reserved For Future Use

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(M) Text moved to Page 2-53

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(3) Determination of Meet Point Billed Transport and Channel  
Mileage Charges (Continued) (T)

(d) For Feature Groups C and D Direct Trunked Transport: (T)

- multiply the number of airline miles, as set forth in (a) preceding, times the BP for each Telephone Company, as set forth in (b) preceding, times the Direct Trunked Facility rate.

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(3) Determination of Meet Point Billed Transport and Channel  
Mileage Charges (Continued)

(T)  
(T)

(e) For Feature Groups C and D.

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(D)

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(D)

- When the Entrance Facility and/or Multiplexing equipment is located within the operating territory of the Telephone Company, the Entrance Facility and/or Multiplexing charge will apply.

- The Billing Percentage (BP) is not applicable to the Entrance Facility or Multiplexer.

(T)

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

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(3) Determination of Meet Point Billed Transport and Channel  
Mileage Charges (Continued)

(T)  
(T)

(g) When three or more Telephone Companies are involved in providing an Access Service, the intermediate Telephone Company(s) will determine the charges as set forth in (c) through (g) preceding. Additionally, when a segment of the Direct Trunked Facility or Channel Mileage Facility is measured to the intermediate office(s), the Direct Trunked Termination or Channel Mileage Termination rates are also applied at the intermediate Telephone Company(s) office(s).

(T)  
(T)

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

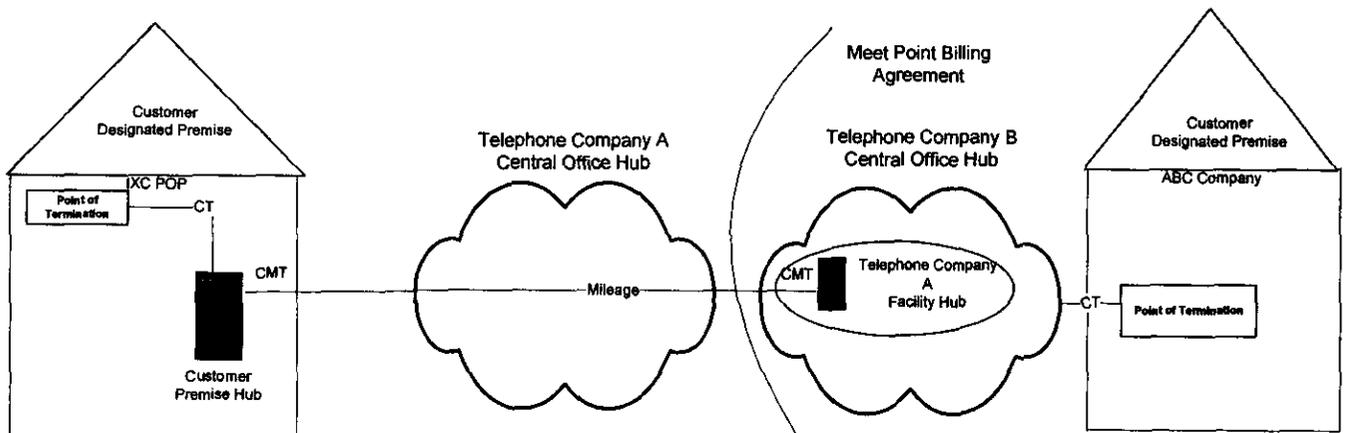
(3) Determination of Meet Point Billed Transport and Channel Mileage Charges (Continued)

(h) Example – High Capacity Special Access Service

Layout

- High Capacity Special Access is ordered from a Customer Designated Premise located in Telephone B to IXC POP serviced by Telephone Company A Central Office Hub.

(T)  
 (T)  
 (T)  
 (D)  
 (D)



**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(3) Determination of Meet Point Billed Local Transport and Channel  
Mileage Charges (Continued) (T)  
(T)

(h) Example – High Capacity Special Access Service  
(Continued) (T)

The following example reflects the rate calculations for TC-  
A,

- Assume:

Airline miles (ALM) TC A Customer Premise Hub to TC B Central Office Hub = 22.1, rounded = 23. (T)  
(T)

Billing Percentage (BP)  
TC A = 80%  
TC B = 20%

Channel Mileage Facility Rate = CMF (Mileage) (T)

Channel Mileage Termination Rate = CMT (T)

(D)  
|  
(D)

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.4 Payment Arrangements and Credit Allowances (Continued)

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

(B) Meet Point Billing (Continued)

(3) Determination of Meet Point Billed Transport and Channel  
Mileage Charges (Continued) (T)  
(T)

(h) Example – High Capacity Special Access Service (T)  
(Continued)

- Telephone Company A charges are:

Channel Mileage Facility charge (T)  
= 23 mi. x 80% x CMF rate (T)

Channel Mileage Termination charge = CMT rate (T)  
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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.5 Connections

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.

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 Definitions

Certain terms used herein are defined as follows:

800 Data Base Access Service

The term "800 Data Base Access Service" denotes a service which uses a data base system to identify 800 access customers on a 10-digit basis. For purposes of administering the rules and regulations set forth in this tariff regarding the provision of 800 Database Access, except where otherwise specified, 800 Database Access Service shall include the following service access codes 800, 888, 877, 866, 855, 844, 833, and 822.

800 Series

The term 800 series denotes the service access codes of 800, 888, 877, 866, 855, 844, 833, and 822.

Access Code

The term "Access Code", with an Abbreviated Dial Arrangement (ADA), denotes a uniform access code assigned by the Telephone Company to an individual customer in the form 10XXX or 101XXXX and 950-XXXX.

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Access Minutes

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

Access Order

An order used by the customer to request Access related services.

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Access Tandem

The term "Access Tandem" denotes a Telephone Company or centralized equal access provider switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a customer designated premises.

## ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Answer/Disconnect Supervision

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

Attenuation Distortion

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

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.

Business Day

The term "Business Day" denotes the times of day that a company is open for business. The Business Day hours for the Telephone Company are 8:00 a.m. CST to 5:00 p.m. CST, with one hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week.

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 Definitions (Continued)

Busy Hour Minutes of Capacity (BHMC)

The term "Busy Hour Minutes of Capacity (BHMC)" denotes the customer specified maximum amount of Switched Access Service and/or Directory Assistance Service access minutes the customer expects to be handled in an end office switch during any hour in an 8:00 a.m. to 11:00 p.m. period for the Feature Group and/or Directory Assistance Service ordered. This customer specified BHMC quantity is the input data the Telephone Company uses to determine the number of transmission paths for the Feature Group and/or Directory Assistance Service ordered.

Call

The term "Call" denotes a customer attempt for which complete address information (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

Carrier or Common Carrier

See Interexchange Carrier.

CCS

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

Central Office

See Central Office Hub.

Central Office Hub

The term "Central Office Hub" denotes an electronic local Telephone Company Facility where Telephone Exchange service customer station loops are terminated for purposes of interconnection to each other (Facility Hubs, Customer Premise Hubs) and to trunks. Additionally, this type of End Office contains the central call processing functions which service itself and its Remote Switching Modules/Systems. Multiplexing and Bridging are performed at these Hubs.

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 **Definitions** (Continued)

Central Office Maintenance Technician

The term "Central Office Maintenance Technician" denotes a Telephone Company employee who performs installation and/or repair work, including testing and trouble isolation, within the Telephone Company Central Office.

Central Office Prefix

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

Channel(s)

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

Channel Mileage Facility (Refer to Section 7.2.1 (B)(1)) (N)

Channel Mileage Termination (Refer to Section 7.2.1 (B)(2)) (N)

Channel Service Unit

The term "Channel Service Unit" denotes equipment which performs one or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format error, and remote loop back.

Channel Terminations (Refer to Section 7.2.1 (A)) (N)

Channelize

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

Clear Channel Capability

The term "Clear Channel Capability" denotes the ability to transport twenty-four 64 Kbps over a DS1 Mbps High Capacity service via a B8ZS line code format.

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 Definitions (Continued)

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Coin Station

See Pay Telephone.

Committed Information Rate

The term "Committed Information Rate" denotes the transmission speed specified by the customer at which the Frame Relay Access Service network commits to transfer data between two ports.

Common Channel Signaling

The term "Common Channel Signaling" (CCS) denotes a high speed packet switched communications network which is separate (out of band) from the public packet switched and message networks. Its purpose is to carry addressed signaling messages for individual trunk circuits and/or database related services between Signaling Points in the CCS network.

Common Line

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

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Communications System

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

Customer(s)

The term "Customer(s)" denotes any individual, partnership, association, joint-stock company, trust, corporation, or governmental entity or other entity which subscribes to the services offered under this tariff, including both Interexchange Carriers (ICs) and End Users.

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 Definitions (Continued)

Customer Designated Premises

The term "Customer Designated Premises" denotes the premises specified by the customer for the provision of Access Service.

Customer Premise Hub

The term Customer Premise Hub denotes a location where bridging or Multiplexing functions are done only for Customers served directly within the building or subtending buildings. Example: Customer Designated Premise or IXC POP served by the Telephone Company fiber.

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Data Transmission (107 Type) Test Line

The term "Data Transmission (107 Type) Test Line" denotes an arrangement which provides for a connection to a signal source which provides test signals for one-way testing of data and voice transmission parameters.

Decibel

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

Decibel Reference Noise C-Message Weighting

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

Decibel Reference Noise C-Message Referenced to O

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

Detail Billing

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

Digital Switched 56 Service

A switched access optional feature available with Feature Group C and Feature Group D Access, which provides for data transmission at up to 56 Kilobits per second.

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 **Definitions** (Continued)

**Direct-Trunked Transport**

The term "Direct-Trunked Transport" denotes transport from the Central Office Hub to the Facility Hub dedicated to the use of a single customer.

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 **Definitions** (Continued)

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Effective 4-Wire

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

End Office

See Central Office Hub.

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End User

The term "End User" means any customer of an interstate or foreign telecommunications service that is not a carrier, except that a carrier other than a telephone company shall be deemed to be an "end user" when such carrier uses a telecommunications service for administrative purposes, and a person or entity that offers telecommunications service exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premises of such reseller.



## ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Exchange

The term "Exchange" denotes a unit generally smaller than a local access and transport area, established by the Telephone Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area. The exchange includes any Extended Area Service area that is an enlargement of a Telephone Company's exchange area to include nearby exchanges. One or more designated exchanges comprise a given local access and transport area.

Exit Message

The term "Exit Message" denotes an SS7 message sent to an end office by the Telephone Company's tandem switch to mark the Carrier Connect Time when the Telephone Company's tandem switch sends an Initial Address Message to an interexchange customer.

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 Definitions (Continued)

Expected Measured Loss

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

Extended Area Service

See Exchange.

Facility Hub

The point on the network where circuits are connected. Supports Meet Point Arrangements.

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First Point of Switching

The term "First Point of Switching" denotes the first Telephone Company or centralized equal access provider location at which switching occurs on the terminating path of a call proceeding from the customer designated premises to the terminating Central Office Hub and, at the same time, the last Telephone Company or centralized equal access provider location at which switching occurs on the originating path of a call proceeding from the originating end office to the customer designated premises.

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FOC (Firm Order Confirmation)

A Service Center response to an ASR such as a circuit order. A request that a telephone company gives to another telephone company for any of many kinds of inter-connectivity or data sharing needs.

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 **Definitions** (Continued)

**Frequency Shift**

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

**Grandfathered**

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

**Host Central Office**

See Central Office Hub

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**Hub**

The term "Hub" denotes a wire center at which bridging or multiplexing functions are performed for customers.

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## ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Immediately Available Funds

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

Impedance Balance

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

Impulse Noise

The term "Impulse Noise" denotes any momentary occurrence of the noise on a channel over a specified level threshold. It is evaluated by counting the number of occurrences which exceed the threshold.

Individual Case Basis

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

Initial Address Message

The term "Initial Address Message" denotes an SS7 message sent in the forward direction to initiate trunk set up, reserve an outgoing trunk and process the information about that trunk along with other data relating to the routing and handling of the call to the next switch.

Inserted Connection Loss

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

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 Definitions (Continued)

Installation and Repair Technician

The term "Installation and Repair Technician" denotes a Telephone Company employee who performs installation and/or repair work, including testing and trouble isolation, outside of the Telephone Company Central Office and generally at the customer designated premises.

Interexchange Carrier (IC) or Interexchange Common Carrier

The terms "Interexchange Carrier" (IC) or "Interexchange Common Carrier" denotes any individual, partnership, association, joint- stock company, trust, governmental entity or corporation engaged for hire in interstate or foreign communication by wire or radio, between two or more exchanges.

Intermediate Hub

See Facility Hub.

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Intermodulation Distortion

The term "Intermodulation Distortion" denotes a measure of the nonlinearity of a channel. It is measured using four tones, and evaluating the ratios (in dB) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

Interstate Communications

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

Intrastate Communications

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

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 **Definitions** (Continued)

**Legal Holiday**

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

**Line Information Data Base (LIDB)**

The data base which contains billing information such as telephone numbers, calling card numbers and associated billed number restriction data used in connection with the validation and billing of calls.

**Line Side Connection**

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

**Local Access and Transport Area (LATA)**

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

**Local Area Network**

The term "Local Area Network" denotes a network permitting the interconnection and intercommunication of a group of computers.

**Local Routing Number (LRN)**

A ten digit number used to uniquely identify a switch that has ported numbers.

**Loss Deviation**

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

**Major Fraction Thereof**

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

**Meet Point**

A location at which the facilities of two Telephone Companies connect.

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**Message**

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

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 **Definitions** (Continued)

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**N-1 Carrier**

In Local Number Portability Query Service, the telecommunications carrier immediately preceding the terminating carrier.

**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 identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of the telecommunications system.

**Nonsynchronous Test Line**

The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational 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 area code (Numbering Plan Area - NPA) and a seven-digit telephone number made up of a three-digit Central Office prefix plus a four-digit station number.

**Off-hook**

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

## ACCESS SERVICE

### 2. GENERAL REGULATIONS (Continued)

#### 2.6 Definitions (Continued)

##### 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 a Central Office or Facility Hub which provides an ac open circuit termination of a trunk or line by means of an inductor of several Henries.

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##### 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.

##### Phase Jitter

The term "Phase Jitter" denotes the unwanted phase variations of a signal.

##### Point of Termination

The term "Point of Termination" denotes the point of demarcation within a Customer-Designated Premise, Central Office, Customer Premise or Facility Hub at which the Telephone Company's responsibility for the provision of Access Service ends.

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##### Premises

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

##### Query Default

In Local Number Portability (LNP) Query Service, a signaling message requesting the Local Routing Number (LRN) contained in the LNP Data Base for which a query has not yet been performed by the N-1 Carrier and where the N-1 carrier has not prearranged with the Telephone Company to have the queries performed on the N-1 carrier's behalf.

## ACCESS SERVICE

### 2. GENERAL REGULATIONS (Continued)

#### 2.6 Definitions (Continued)

##### Recipient Switch

Denotes any end office switch that served Directory Numbers (DN) within a number portable NXX that is not originally assigned to the switch. Customers assigned a DN within indicated NXX that were working out of a switch other than the one originally designated are said to have ported their numbers to this recipient switch.

##### Regional Service Management System/Number Portability Administration Center

Denotes the third party administered database which maintains the information on all ported numbers in the Telephone Company's region.

##### Release Message

The term "Release Message" denotes an SS7 message sent in either direction to indicate that a specific circuit is being released.

##### Remote Switching Modules/Systems

The term "Remote Switching Modules/Systems" denotes small, remotely controlled electronic Central Office Hub switches which obtain their call processing capability from the Central Office Hub.

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##### Return Loss

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

##### Registered Equipment

The term "Registered Equipment" denotes the customer's premises equipment which complies with and has been approved within the Registration Provisions of Part 68 of the F.C.C.'s Rules and Regulations.

**ACCESS SERVICE**2. **GENERAL REGULATIONS** (Continued)2.6 **Definitions** (Continued)**Service Access Code**

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

**Service Date**

The date provided in the FOC by the Telephone Company to the Customer. The initial service date provided is the original service date prior to changes to the date via Supplemental Service Dates.

**Service Switching Point (SSP)**

The term "Service Switching Point" denotes an end office or tandem which, in addition to having SS7 and SP capabilities, is also equipped to query centralized data bases.

**Serving Wire Center**

The term "Serving Wire Center" denotes the wire center from which the customer designated premises would normally obtain dial tone from the Telephone Company.

**Seven Digit Manual Test Line**

The term "Seven Digit Manual Test Line" denotes an arrangement which allows the Customer to select balance, milliwatt and synchronous test lines by manually dialing a seven digit number over the associated access connection.

**Shortage of Facilities or Equipment**

The term "Shortage of Facilities or Equipment" denotes a condition which occurs when the Telephone Company does not have appropriate cable, switching capacity, bridging or, multiplexing equipment, etc., necessary to provide the Access Service requested by the customer.

**Short Circuit Test Line**

The term "Short Circuit Test Line" denotes an arrangement in an end office which provides for an ac short circuit termination of a trunk or line by means of a capacitor of at least four microfarads.

**Signal-to-C-Notched Noise Ratio**

The term "Signal-to-C-Notched Noise Ratio" denotes the ratio in dB of a test signal to the corresponding C-Notched Noise.

**Signaling Point (SP)**

The term "Signaling Point (SP)" denotes an SS7 network interface element capable of originating and terminating SS7 trunk signaling messages.

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 Definitions (Continued)

Signaling Point of Interface (SPOI)

The term "Signaling Point of Interface (SPOI)" denotes the customer designated location where the SS7 signaling information is exchanged between the Telephone Company and the customer.

Signaling Return Loss

The term "Signaling Return Loss" denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where signing (instability) problems are most likely to occur.

Signaling System 7 (SS7)

The term "Signaling System 7 (SS7)" denotes the layered protocol used for standardized common channel signaling in the United States and Puerto Rico.

Signal Transfer Point (STP)

The term "Signal Transfer Point (STP)" denotes a packet switch which provides access to the Telephone Company's SS7 network and performs SS7 message signal routing and screening.

Signal Transfer Point (STP) Port

The term "Signal Transfer Point (STP) Port" denotes the point of termination and interconnection to the STP.

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 Definitions (Continued)

Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

Tandem Switched Transport

The term "Tandem Switched Transport" denotes transport from the serving wire center to the end office, or from the tandem to the end office, that is switched at a tandem.

Terminating Direction

The term "Terminating Direction" denotes the use of Access Service for the completion of calls from an IC premises to an End User Premises.

Throughput

The term "Throughput" denotes the number of data bits successfully transferred in one direction per unit of time.

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.

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**ACCESS SERVICE**

2. **GENERAL REGULATIONS** (Continued)

2.6 Definitions (Continued)

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.

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 (e.g., a central office switch).

V and H Coordinates Method

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

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Wireless Switching Center

The term "Wireless Switching Center" (WSC) denotes a Wireless Service Provider (WSP) switching system that is used to terminate wireless stations for purposes of interconnection to each other and to trunks interfacing with the public switched network.

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.

## ACCESS SERVICE

3. Federal Universal Service Charge

The Federal Universal Service Charge (FUSC) recovers the Telephone Company's contribution to various federal universal service funds. The Telephone Company will apply the FUSC Surcharge Factor each month to the billed charges for interstate access services provided to end users from this Tariff.

The FUSC Surcharge Factor set forth in Section 15 following, will be billed by only those Telephone Companies contributing to the universal service funds. The FUSC Surcharge Factor will not apply to any billed charges for an end user when the interstate access service provided to the end user qualifies under the federal universal service guidelines for Lifeline Assistance. The FUSC Surcharge Factor will not apply to interstate access services purchased by customers that resell these services to end users as part of an interstate telecommunications service and are required to contribute to the various federal universal service funds. In case of a dispute regarding whether the customer is reselling services and contributing to the various federal universal service funds, the Telephone Company may request a signed certification to that effect from the customer.

## ACCESS SERVICE

4. End User Access Service4.1 End User Access Service

The Telephone Company will provide End User Access Service (End User Access) to end users who obtain local exchange service from the Telephone Company under its general and/or local exchange tariffs.

4.1.1 General Description

End User Access provides for the use of an End User Common Line (EUCL).

4.1.2 Limitations

- (A) A telephone number is not provided with End User Access.
- (B) Detail billing is not provided with End User Access.
- (C) Directory listings are not included with End User Access.
- (D) Intercept arrangements are not included with End User Access.

4.1.3 Undertaking of the Telephone Company

The Telephone Company will provide use of an End User Access at rates and charges as set forth in 15.2 following, as follows:

- (A) Use of an EUCL by an end user in connection with interstate Access Services provided under this tariff. Such use will be provided when the end user obtains local exchange service.
- (B) The Telephone Company will be responsible for contacts and arrangements with customers for the billing of End User Access charges.

4.1.4 Obligations of the End User

- (A) When the end user is a Radio Common Carrier (RCC), or a Maritime Radio Common Carrier (MRCC), it shall designate whether the local exchange services it is provided by the Telephone Company are used as access lines for its services or used as administrative lines.

## ACCESS SERVICE

4. End User Access Service4.1 End User Access Service4.1.5 Payment Arrangements and Credit Allowances

## (A) Minimum Period

The minimum period for which EUCL is provided to an end user and for which charges are applicable is the same as that in the general and/or local exchange tariffs for the associated local exchange service.

## (B) Cancellation of Application

End User Access Service is canceled when the order for the associated local telephone exchange service is canceled. No cancellation charges apply.

## (C) Changes to Orders

When changes are made to orders for the local exchange service associated with End User Access Service, any necessary changes will be made for End User Access. No charges will apply.

## (D) Allowance for Interruptions

When there is an interruption to an EUCL, requested End User Access Service credit allowances for interruptions will be provided as set forth for credit allowance for interruptions in 2.4.4 preceding.

## (E) When an end user temporarily suspends its local exchange service which is associated with EUCL, one-half of the EUCL per month charge and one-half of the FUSF Charge per month charge will be temporarily suspended for the time period the local exchange service is suspended.

## ACCESS SERVICE

4. End User Access Service (Cont'd)4.1 End User Access Service (Cont'd)4.1.6 Rate Regulations (Cont'd)

## (A) End User Common Line (EUCL)

- (1) EUCL per month charges will be billed to the end user of the associated Local Exchange Service.
- (2) For each local exchange service provided as remote call forwarding residential service or remote call forwarding business service under the general and/or local exchange service tariffs, End User Access charges do not apply.

For each local exchange service other than local exchange service used for administrative purposes, provided to Radio Common Carriers and/or Maritime Radio Common Carriers as access lines for their services under the general and/or local exchange service tariffs, End User Access charges do not apply.

- (3) For Centrex Dormitory (Residence) Service dormitory (residential) lines or trunks, the End User Common Line (EUCL) Primary Residence Subscriber-Individual line or trunk rate as set forth in 15.2 following applies to each line or trunk.

Centrex CO is a service that (1) uses a portion of a Telephone Company switch located at the Telephone Company central office to meet the customer's internal needs and serves as the customer's interface with the local and interexchange networks and (2) links the customer's main stations to the Telephone Company switch with subscriber loops.

Centrex CO-like services are services (e.g., Airport Service, ESSEX, Hotel-Motel and Exhibition Hall Service) that operate in a matter that is the same as Centrex CO and (1) are provided using switches located at Telephone Company central offices and (2) links the customer's main stations to the Telephone Company switch with subscriber loops.

Centrex Dormitory (Residential) Service is a service to a college or university or school that serves both the university, college or school offices and the student or faculty dormitory (residential) quarters. Primary Residential charges will apply to the lines or trunks that serve dormitory quarters. Multiline Business charges will apply to the lines or trunks that serve the offices. Charges shall be based on the number of dormitory lines or trunks and office lines or trunks reported to the Telephone Company by the customer.

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

4. End User Access Service (Cont'd)4.1 End User Access Service (Cont'd)4.1.6 Rate Regulations (Cont'd)

## (A) End User Common Line (EUCL) (Cont'd)

- (4) When a Payphone Service Provider is provided local business exchange service or coin line service, the End User Common Line (EUCL) Multiline Business Subscribers - Individual line or trunk rate as set forth in 15.2 following applies to each such service.
- (5) When an end user is provided more than one local business exchange service in a state by the same Telephone Company, and when the local business exchange service is provided as a multiparty service under the general and/or local exchange service tariffs, each party is deemed to be a user of an EUCL and the End User Common Line (EUCL) Multiline Business Subscriber-Individual line or trunk rate as set forth in 15.2 following applies to each such party.
- (6) When an end user is provided more than one local business exchange service in a state by the same Telephone Company, and when the local business exchange service is provided under the general and/or local exchange service tariffs and is not covered by (3), (4) and (5) preceding, the End User Common Line (EUCL) Multiline Business Subscribers - Individual line or trunk rate as set forth in 15.2 following applies to each such local business exchange service.
- (7) When an end user is provided only a single local business exchange service in a state by the same Telephone Company as a multiparty service under the general and/or local exchange service tariffs, each party is deemed to be a user of an EUCL and the End User Common Line (EUCL) Single Line Business Subscriber - Individual line or trunk rate as set forth in 15.2 following applies to each such party.
- (8) When an end user is provided only a single local business exchange service by the Telephone Company, under the general and/or local exchange service tariffs, the End User Common Line (EUCL) Single Line Business Subscriber -Individual line or trunk rate as set forth in 15.2 following applies to each single business service. Such local business exchange service includes single local business exchange service not covered in (7) preceding.

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

4. End User Access Service (Cont'd)4.1 End User Access Service (Cont'd)4.1.6 Rate Regulations (Cont'd)

## (A) End User Common Line (EUCL) (Cont'd)

- (9) When an end user is provided a single local residence exchange service at a service location in a state by the Telephone Company, and when the local residence exchange service is provided as a multiparty service under the general and/or local exchange service tariffs, each party is deemed to be a user of an EUCL and the End User Common Line (EUCL) Primary Residence Subscriber - Individual line or trunk rate as set forth in 15.2 following applies to each such party.
- (10) When an end user is provided a single local residence exchange service at the same service location by the Telephone Company and when the local residence exchange service is provided under the general and/or local exchange service tariffs, the End User Common Line (EUCL) Primary Residence Subscriber - Individual line rate as set forth in 15.2 following applies to each such local residence exchange service. Such local residence exchange service includes any local residence service not covered in (9) preceding.
- (11) When an end user is provided with more than one local residence exchange service at the same service location, only one line will be classified as Primary as set forth in 15.2 and all other lines are considered to be Non-Primary. The End User Common Line (EUCL) Non-Primary Residence Subscriber - Individual line rate as set forth in 15.2 following applies to each such non-primary local residence exchange service. Such local residence exchange service includes any local residence service not covered in (9) or (10) preceding.

For exchange residence service installed prior to January 1, 1998, the Telephone Company will use existing service records to determine which line is primary. Current billing records contain Universal Service Order Codes (USOCs) and Field Identifiers (FIDs) that identify non-primary residence lines. If that data are not available, date of installation will be used. The first line installed at a location will be designated as Primary.

For exchange residence service established after January 1, 1998, if the customer orders more than one line at the same service location, the first line installed will be Primary. Otherwise, if services are ordered at different times, date of installation data for the same location will be used to designate one line as Primary.

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

4. End User Access Service (Cont'd)4.1 End User Access Service (Cont'd)4.1.6 Rate Regulations (Cont'd)

## (A) End User Common Line (EUCL) (Cont'd)

- (12) When an end user is provided a local residence exchange service and is a qualifying low income subscriber under paragraph 54.400 (a) (1) of Part 54 of FCC Rules and Regulations, the End User Common Line Residence Subscriber - Individual line or trunk rate in 15.2 following shall be waived for a single line to the household's principal residence as specified in paragraph 54.403 (b) of Part 54 of FCC Rules and Regulations.
- (13) When an end user is provided a Basic Rate Interface ISDN (ISDN-BRI) service, to either a residence or business location, the ISDN-BRI End User Common Line rate applies, as set forth in 15.2.

In addition to the EUCL, when end users are provided certain residential or multi-line local business exchange service by the Telephone Company, under the general and/or local exchange service tariffs, where the cost of the line port exceeds that of a basic analog line port, an End User Complex Line Port (EUCLP) charge is assessed. These services include ISDN-BRI for residential customers and ISDN-BRI, Centrex ISDN, ISDN-PRI and Digital Transport Service (DTS) for multi-line business customers. The EUCLP rates as set forth in 15.1.2 following, applies to each such party.

- (a) When an end user is provided ISDN-PRI local exchange service by the Telephone Company, under the general and/or local exchange service tariffs, an EUCLP is assessed. The rate per facility is set forth in 15.2 following.
- (b) When an end user is provided Digital Transport Service (DTS) local exchange service by the Telephone Company, under the general and/or local exchange service tariffs, the DTS EUCLP is assessed. The individual facility rate is set forth in 15.2 following.
- (c) When an end user is provided ISDN-BRI local exchange service by the Telephone Company, under the general and/or local exchange service tariffs, an EUCLP is assessed. The individual facility rate is set forth in 15.2 following.
- (d) When an end user is provided Centrex ISDN local exchange service by the Telephone Company, under the general and/or local exchange service tariffs, and EUCLP is assessed. The individual facility rate is set forth in 15.2 following.

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

5. Access Ordering5.1 General

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

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

The regulations, rates and charges for special construction are set forth in the appropriate tariff and are in addition to the regulations, rates and charges specified in this section.

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

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

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

**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

5.1 **General** (Continued)

5.1.1 **Service Installation**

The Telephone Company will provide the Access Service in accordance with the customer's requested service date, subject to the constraints established by the Telephone Company Service Interval Guide of applicable service dates. The Telephone Company will provide its Service Interval Guide upon written request. The intervals set forth in the Service Interval Guide represent the **minimum** period between receipt by the Telephone Company of an accurate and complete ASR from customer and provisioning of the Special Access service by the Telephone Company. These Intervals are guidelines that the Telephone Company will attempt to meet on a consistent basis; however, The Telephone Company makes no guaranty or warranty that the requested service will be provisioned in accordance with these intervals.

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

Access Services will be installed during Telephone Company business days. If a customer requests that installation be done outside of scheduled work hours, and the Telephone Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in 15.5.3 following.

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.1 General (Cont'd)

5.1.2 Expedited Orders

When placing an Access Order, a customer may request a service date that is prior to the applicable service date. Additionally, a customer may also request an earlier service date on a pending Access Order. In this case, an Access Order modification as set forth in 5.4 following would be required. If the Telephone Company determines that the service can be provided on the requested date and that additional labor cost or extraordinary costs are required to meet the requested service date, the customer will be notified and will be provided with an estimate of the additional charges involved. Charges will be billed at actual cost. Such additional charges will be determined and billed to the customer as explained following.

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To calculate the additional labor charges, the Telephone Company will, upon authorization from the customer to incur the additional labor charges, keep track of the additional labor hours used to meet the request of the customer and will bill the customer at the applicable Additional Labor charges as set forth in 15.5.3 following.

To develop, determine and bill the customer the extraordinary costs which may be involved, the Special Construction terms and conditions 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 the appropriate tariff.

For each Expedited Order received by the Telephone Company or copy of an Expedited Order received by the Telephone Company, the Expedited Order Charge, as set forth in 15.5.1(E) plus the Access Order Charge, as set forth in 15.5.1(4) following, will apply. The Flat Rated Expedited Order and Access Order charges plus any additional labor charges will comprise the total billing associated an Expedited Order.

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When the request for expediting occurs subsequent to the issuance of the Access Order, a Service Date Change Charge as set forth in 15.5.1 following also applies.

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.1 General (Cont'd)

5.1.3 Selection of Facilities for Access Orders

The option to request a specific transmission path or channel is only provided for High Capacity Facilities Special Access.

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

**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

5.2 **Ordering Requirements**

5.2.1 **Switched Access Service**

When ordering Switched Access service, the customer must specify whether the service to be provided is Direct Trunked Transport to the Central Office of Facility Hub. 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., High Capacity DS1 or DS3).

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

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Direct Trunked Transport is available at Central office and Facility Hubs. Section 5.6 provides list of CLLI codes for Central Office and Facility Hubs where Direct Trunked Transport is available.

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Normally, Direct Trunked Transport of originating 800 series calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain SSP equipped end offices cannot accommodate the direct trunking of the 888 service access code. These end offices are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. NO. 4. Additionally, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series calls. These end offices are also identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

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**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

5.2 **Ordering Requirements** (Continued)

5.2.2 **Special Access Service**

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

- the customer designated premises or hubs involved
  - type of service (e.g., High Capacity, etc.) (T)
  - the channel interface(s)
  - technical specification package
  - options desired (D)
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- that the traffic consists of more than ten percent interstate traffic. (D)

When ordering bridging and/or multiplexing, the Customer must specify the Telephone Company Hub(s) from which they desire service. The Customer must specify only those hubs that provide the type of service ordered and interconnect with the Hub(s) from which the customer requires service. Section 5.6 provides list of CLLI codes for Central Office and Facility Hubs. (T)

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**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

5.2 Ordering Requirements (Continued)

5.2.3 Reserved for Future Use

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5.2.4 Mixed Use Facilities - Switched and Special Access

Mixed use is the provision of both Switched and Special Access Services over the same High Capacity facilities. Mixed use facilities to a hub will be ordered and provided as Special Access Service. Where mixed use is employed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Service. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

## ACCESS SERVICE

5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.5 Miscellaneous Services

Testing Service, Additional Labor, and Special Facilities Routing shall be ordered with an Access Order or may subsequently be added to a pending order at any time up to and including the service date for the access service. When miscellaneous services are added to a pending order a service date change may be required. When a service date change is required, the service date change charge as set forth in 15.5.1 following will apply. When miscellaneous services are added to a pending order, charges for a design change as set forth in 15.5.1 following will apply when an engineering review is required. If both a service date change and an engineering review are required, both the Service Date Change Charge and the Design Change Charge will apply as set forth in 5.4.3 following. (T)

The rates and charges for these services, as set forth in Section 15. of this tariff, will apply in addition to the ordering charges set forth in Section 15. and the rates and charges for the Access Service with which they are associated.

Additional Engineering is not an ordering option, but will be applied to an Access Order when the Telephone Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering will only be required as set forth in 11.1 following. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Telephone Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10%.

**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

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

Access Services provided by more than one Telephone Company are services where one end of the Local Transport 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.

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

5.3.1 Reserved for Future Use

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**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

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

5.3.2 Meet Point Billing Ordering

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

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

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(B) For Feature Group C and D Switched Access Services, the customer must place an order with the Telephone Company in whose territory the end office is located.

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**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

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

5.3.2 Meet Point Billing Ordering (Continued)

(C) For Special Access Service with more than one Telephone Company on the route, the customer must place the order to all Telephone Companies along the route.

(D) For Special Access Service involving a hub(s) the customer must place the order with the Telephone company(s) in whose territory the hub(s) is located.

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(E) For initiation, additions, changes or deletions to the Interim NXX Translation code(s), the customer must place an order with the Telephone Company who provides the Interim NXX Translation. The customer must also provide a copy of the order to the Telephone Companies subtending the Interim NXX Translation office.

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## ACCESS SERVICE

### 5. ACCESS ORDERING (Continued)

#### 5.4 Charges Associated with Access Ordering

##### 5.4.1 Access Order Charge

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

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The Access Order Charge does not apply:

- When a Service Date Change Charge is applicable.
- When a Design Change Charge is applicable.
- To administrative changes as set forth in 6.2.5(B)(2) and 7.2.2(C)(3) following.
- When a change to a pending order does not result in the cancellation of the pending order and the issuance of a new order.
- When the Interim NXX Translation charge is applicable.
- When a Miscellaneous Service Order Charge is applicable.
- When a Presubscription Charge is applicable.
- When the Telephone Company initiated network reconfiguration requires a customer's existing access service to be reconfigured.
- When a service with an ICB rate is converted to a similar service with a non-ICB tariff rate prior to the expiration of the ICB.

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## ACCESS SERVICE

### 5. ACCESS ORDERING (Continued)

#### 5.4 Charges Associated with Access Ordering (Continued)

##### 5.4.1 Access Order Charge (Continued)

- When a customer requests a change to rearrange Switched Access services between lower capacity and higher capacity facilities, (e.g., DS1 to/from DS3), providing:
  - the orders to disconnect existing trunks and to connect the new trunks are placed at the same time, and
  - the number of installed trunks does not exceed the number of trunks disconnected. If the number of installed trunks exceeds the number of trunks disconnected, the Access Order Charge will apply unless the customer provides justification based upon standard engineering methods to show that the additional capacity is required to maintain the same level of service.

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

**ACCESS SERVICE**5. **ACCESS ORDERING** (Continued)5.4 **Charges Associated with Access Ordering** (Continued)5.4.2 **Miscellaneous Service Order Charge**

A Miscellaneous Service Order Charge, as set forth in 15.5 following, 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, which does not have the charge applied). The Miscellaneous Service Order Charge is an administrative charge designed to compensate for the expenses associated with service order issuance.

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

- Overtime Repair,
- Standby Repair,
- Testing and Maintenance with Other Telephone Companies other than when in conjunction with Acceptance Testing,
- Other Labor,
- Maintenance of Service.

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

- Controller Arrangement

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## ACCESS SERVICE

5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.2 Miscellaneous Service Order Charge (Cont'd)

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

- Additional Engineering,
- Overtime Installation,
- Standby Acceptance Testing,
- Testing and Maintenance with Other Telephone Companies when in conjunction with Acceptance Testing,
- Additional Cooperative Acceptance Testing.

5.4.3 Access Order Change Charges

Access Order changes involve service date changes and design changes. The customer may request a change of its Access Order prior to the service date. The Telephone Company will make reasonable effort to accommodate a requested change when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the change cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Access Order change, the Telephone Company will schedule a new service date as set forth in 5.1.2 preceding. All charges for Access Order change as set forth in 15.5 will apply on a per occurrence basis.

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

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

**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

5.4 Charges Associated with Access Ordering (Continued)

5.4.3 Access Order Change Charges (Continued)

(A) Service Date Change

The customer may request a change of service date on a pending Access Order prior to the service date. A change of service date is a change of the scheduled service date by the customer to either an earlier date or a later date. The Billing date for service will be no later than 15 days from the original service date provided by the Telephone Company on the FOC.

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If the Telephone Company determines that the customer's request can be accommodated without delaying the service dates for orders of other customers, the service date will be changed and the Service Date Change Charge, as set forth in 15.5 following, will be applied to the order.

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

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

## ACCESS SERVICE

5. Access Ordering (Cont'd)5.4 Charges Associated with Access Ordering (Cont'd)5.4.3 Access Order Change Charges (Cont'd)(B) Design Change

The customer may request a design change to the service ordered prior to the requested service date. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by Telephone Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes do not include a change of customer designated premises, first point of switching, Feature Group type or Special Access Service channel type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Telephone Company will review the requested change, notify the customer whether the change is a design change, if the change can be accommodated and if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge as set forth in 15.5 following will apply in addition to the charge for Additional Engineering as set forth in 15.5 following. If a change of service date is required, the Service Date Change Charge as set forth in 15.5 following will also apply. The Access Order Charge as specified in 15.5 following does not apply.

**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

5.5 **Minimum Periods and Cancellations**

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5.5.1 **Minimum Periods**

The minimum period for Special Access High Capacity DS3, OCN Facilities and Switched Access DS3 Intermediate Transport Service is twelve months.

Switched Access usage rated services have no minimum period.

The minimum period for which all other Access Service is provided and for which charges are applicable is one month, unless otherwise stated in a Term Agreement Plan entered into by Customer.

5.5.2 **Development of Minimum Period Charges**

When Access Service is disconnected after commencement of service, but prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period plus Early Termination Liability (Reference 2.4.2 (A-C)) if service was purchased with a term rate.

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

- (A) For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable recurring charges plus any nonrecurring and/or Special Construction charge(s) that may be due.
- (B) For Special Access Service the charge for a month or fraction thereof is the applicable monthly rates for the appropriate channel type plus any optional features, nonrecurring and/or special construction charge(s) that may apply.
- (C) For Special Access Service purchased under a Term Agreement Plan, Early Termination Liability as stated in Plan would apply in lieu of Section 2.4.2 (C).

**ACCESS SERVICE**

5. **ACCESS ORDERING** (Continued)

5.5 **Minimum Period and Cancellations** (Continued)

5.5.3 **Cancellation of an Access Order**

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- (A) A customer may cancel an Access Order for the installation of service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written notice from the customer that the order is to be canceled. If a customer or a customer's end user is unable to accept Access Service within 14 calendar days after the original service date, the billing for the service will commence.

In such instances, the billing date shall be the 15th day beyond the original service date of the Access Order.

ACCESS SERVICE

5. Access Ordering (Cont'd)

5.5 Minimum Period and Cancellations (Cont'd)

5.5.3 Cancellation of an Access Order (Cont'd)

(B) When a customer cancels an Access Order for the installation of service, a Cancellation Charge will apply as follows:

(1) Installation of Switched Access and Special Access facilities is considered to have started when the Telephone Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred.

(2) Where the customer cancels an Access Order prior to the start of installation of access facilities.

(C)  
(C)

(3) Where installation of access facilities has been started prior to the cancellation, the charges specified in (a) or (b) following, whichever is lower, shall apply.

(a) A charge equal to the costs incurred in such installation, less estimated net salvage. Such costs include the non-recoverable cost of equipment and material ordered, provided or used, plus the non-recoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way, 3<sup>rd</sup> party leased facilities, and other associated costs;

(T)  
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(b) The minimum period charges for Switched Access and Special Access ordered by the customer, as set forth in 5.5.2 preceding.

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

## ACCESS SERVICE

5. Access Ordering (Cont'd)5.5 Minimum Period and Cancellations (Cont'd)5.5.3 Cancellation of an Access Order (Cont'd)

- (D) If the Telephone Company misses a service date by more than 30 days and such delay is not requested or caused by the customer (excluding those circumstances where the date is missed due to acts of God, governmental requirements, work stoppages and civil commotions), the customer may cancel the Access Order without incurring cancellation charges.

5.5.4 Partial Cancellation Charge

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

5.6 Hub Locations5.6.1 TDS Metrocom, LLC

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
MDSNW111	H06	No	FACILITY HUB	MADISON	WI
MDSNW116	H02	No	FACILITY HUB	MADISON	WI
MDSNW112	H03	No	FACILITY HUB	MADISON	WI
MDSNW114	H00	No	FACILITY HUB	MADISON	WI
MDSNW113	H00	No	FACILITY HUB	MADISON	WI
MDTNWIXA <sup>1</sup>	H02	No	FACILITY HUB	MIDDLETON	WI
MDTNWIXB <sup>1</sup>	H03	No	FACILITY HUB	MADISON	WI
MDSNWIGJ	H02	Yes	FACILITY HUB	MADISON	WI
BELTWI01	H08	No	FACILITY HUB	BELOIT	WI
JNVLWI01	H09	No	FACILITY HUB	JANESVILLE	WI
RCFRILRE	H14	No	FACILITY HUB	ROCKFORD	IL
RCFRILRT	H20	No	FACILITY HUB	ROCKFORD	IL
SGTNWI11	H04	No	FACILITY HUB	STOUGHTON	WI
APPLWI01	H15	No	FACILITY HUB	APPLETON	WI
DEPRWI11	H05	No	FACILITY HUB	DEPERE	WI
GNBYWI01	H06	No	FACILITY HUB	GREEN BAY	WI

<sup>1</sup> Hub Location grandfathered to customers using routes as of August 26, 2009

## ACCESS SERVICE

(N)

5. Access Ordering (Cont'd)5.6 Hub Locations (Cont'd)5.6.1 TDS Metrocom, LLC (Cont'd)

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
GNBYWI11	H04	No	FACILITY HUB	GREEN BAY	WI
GNBYWI12	H03	No	FACILITY HUB	GREEN BAY	WI
NENHWI11	H05	No	FACILITY HUB	NEENAH	WI
OSHKWI01	H05	No	FACILITY HUB	OSHKOSH	WI
ASHWWIEV	H00	No	FACILITY HUB	ASHWAUBENON	WI
BFTWWI11	H04	No	FACILITY HUB	BROOKFIELD	WI
BRFDWI11	H04	No	FACILITY HUB	BROOKFIELD	WI
FDULWI01	H05	No	FACILITY HUB	FOD DU LAC	WI
KENOWI01	H13	No	FACILITY HUB	KENOSHA	WI
KENOWI11	H08	No	FACILITY HUB	KENOSHA	WI
MILWWI10	H10	No	FACILITY HUB	MILWAUKEE	WI
MILWWI12	H22	No	FACILITY HUB	MILWAUKEE	WI
MILWWI13	H75	No	FACILITY HUB	MILWAUKEE	WI
MILWWI25	H13	No	FACILITY HUB	MILWAUKEE	WI
MILWWI30	H07	No	FACILITY HUB	MILWAUKEE	WI
MILWWI31	H16	No	FACILITY HUB	MENOMONEE FALLS	WI
MILWWI42	H20	No	FACILITY HUB	MILWAUKEE	WI
MILWWI45	H16	No	FACILITY HUB	MILWAUKEE	WI
MILWWI56	H28	No	FACILITY HUB	MILWAUKEE	WI
PEWKWI11	H02	No	FACILITY HUB	PEWAUKEE	WI
PEWKWI40	H03	No	FACILITY HUB	PEWAUKEE	WI
PRSDWI11	H04	No	FACILITY HUB	PARKSIDE	WI
RACNWI01	H14	No	FACILITY HUB	RACINE	WI
RACNWI11	H06	No	FACILITY HUB	RACINE	WI
STRTWI11	H03	No	FACILITY HUB	STURTEVANT	WI
WKSHWI47	H17	No	FACILITY HUB	WAUKESHA	WI
DRFDILDF	H24	No	FACILITY HUB	DEERFIELD	IL
GYLKILGL	H06	No	FACILITY HUB	GRAYS LAKE	IL
GURNILAA	H01	No	FACILITY HUB	GURNEE	IL
HGPKILHP	H11	No	FACILITY HUB	HIGHLAND PARK	IL
LKFRILLF	H15	No	FACILITY HUB	LAKE FOREST	IL

(N)

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## ACCESS SERVICE

(N)

5. Access Ordering (Cont'd)5.6 Hub Locations (Cont'd)5.6.1 TDS Metrocom, LLC (Cont'd)

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
LBVLILLI	H19	No	FACILITY HUB	LIBERTYVILLE	IL
LNSRILAB	H03	No	FACILITY HUB	LINCOLNSHIRE	IL
NCHCILNC	H16	No	FACILITY HUB	CHICAGO	IL
NBRKILNB	H34	No	FACILITY HUB	NORTHBROOK	IL
NBRKILNT	H33	No	FACILITY HUB	NORTHBROOK	IL
WKGNILWK	H17	No	FACILITY HUB	WAUKEGAN	IL
WLNGILWG	H28	No	FACILITY HUB	WHEELING	IL
VNHLILAF	H00	No	FACILITY HUB	VERNON HILLS	IL
BTCKMIMN	H18	No	FACILITY HUB	BATTLE CREEK	MI
BTCKMISO	H08	No	FACILITY HUB	BATTLE CREEK	MI
DTTNMIMN	H17	No	FACILITY HUB	DUTTON	MI
GDRPMIBL	H76	No	FACILITY HUB	GRAND RAPIDS	MI
GDRPMIEP	H22	No	FACILITY HUB	GRAND RAPIDS	MI
GDRPMIES	H29	No	FACILITY HUB	GRAND RAPIDS	MI
GDRPMIWS	H18	No	FACILITY HUB	GRAND RAPIDS	MI
GRHVMIMN	H11	No	FACILITY HUB	GRAND HAVEN	MI
HDVLMIMN	H15	No	FACILITY HUB	HUDSONVILLE	MI
HLLDMIMN	H22	No	FACILITY HUB	HOLLAND	MI
HLLDMINR	H08	No	FACILITY HUB	HOLLAND	MI
KLMZMIFA	H35	No	FACILITY HUB	KALAMAZOO	MI
PRTGMILK	H13	No	FACILITY HUB	PORTAGE	MI
WYNGMILX	H25	No	FACILITY HUB	WYOMING	MI
ZELDMISL	H06	No	FACILITY HUB	ZEELAND	MI
ANARMIMN	H42	No	FACILITY HUB	ANN ARBOR	MI
ANARMISE	H21	No	FACILITY HUB	ANN ARBOR	MI
FRTNMIMN	H28	No	FACILITY HUB	FARMINGTON	MI
LIVNMIMN	H29	No	FACILITY HUB	LIVONIA	MI
LIVNMINW	H27	No	FACILITY HUB	LIVONIA	MI
NRVLMIMN	H27	No	FACILITY HUB	NORTHVILLE	MI
PLMOMIMN	H29	No	FACILITY HUB	PLYMOUTH	MI
RMLSMIMN	H08	No	FACILITY HUB	ROMULUS	MI

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525 Junction Road, Suite 6000  
Madison Wisconsin 53717

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(N)

5. Access Ordering (Cont'd)

5.6 Hub Locations (Cont'd)

5.6.1 TDS Metrocom, LLC (Cont'd)

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
WAYNMIMN	H22	No	FACILITY HUB	WAYNE	MI
WAYNMINW	H11	No	FACILITY HUB	WAYNE	MI
YPSLMIMN	H19	No	FACILITY HUB	YPSILANTI	MI
ELNSMIMN	H25	No	FACILITY HUB	EAST LANSING	MI
HOLTMIHE	H08	No	FACILITY HUB	HOLT	MI
JCSNMIMN	H20	No	FACILITY HUB	JACKSON	MI
LNNGMIMN	H57	No	FACILITY HUB	LANSING	MI
LNNGMINW	H17	No	FACILITY HUB	LANSING	MI
LNNGMISO	H22	No	FACILITY HUB	LANSING	MI
OKMSMIMN	H15	No	FACILITY HUB	OKEMOS	MI
MDSNWIAD	H14	No	CUSTOMER PREMISE HUB	MADISON	WI
MDTNWI02	W00	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDTNWI03	W00	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDTNWI07	H00	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDSNWIML	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWI83	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI02	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIQV	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWIVT	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWIVU	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI09	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWICO	H02	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWICU	W01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDTNWI06	W00	No	CUSTOMER PREMISE HUB	MADISON	WI

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5. Access Ordering (Cont'd)

5.6 Hub Locations (Cont'd)

5.6.1 TDS Metrocom, LLC (Cont'd)

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
MDSNWIZE	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNW180	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIME	W01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIBV	W01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIAB	H04	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNW185	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSPWIGK	H02	No	CUSTOMER PREMISE HUB	MADISON	WI
MDTNWIBB	W00	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDSOWISD	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIJB	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI05	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWIKJ	H01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWIIP	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDTNWIAX	W00	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDSNWIOC	H01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWI SJ	H01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI03	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWI RP	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI12	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWI41	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI27	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWI SD	H01	No	CUSTOMER PREMISE HUB	MADISON	WI

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5. Access Ordering (Cont'd)5.6 Hub Locations (Cont'd)5.6.1 TDS Metrocom, LLC (Cont'd)

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
MDSNWIRL	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI07	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNW182	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDTNWI05	W00	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDSNW1AD	H14	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI01	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWICG	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDTNWI01	RL0	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDSNWIZP	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIEJ	W01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIEV	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MHPKILBU	H00	No	CUSTOMER PREMISE HUB	MACHESNEY PARK	IL
MDTNWIBD	RL0	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI10	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNW1AX	H02	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIEW	W01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDTNWIBW	H00	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDSNWIRJ	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNW1HN	RL0	No	CUSTOMER PREMISE HUB	MADISON	WI
MDTNW1AU	W00	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDTNWI04	W00	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
MDSOWIXI	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNW1PU	OMD/CEL	No	CUSTOMER PREMISE HUB	MADISON	WI

(N)

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5. Access Ordering (Cont'd)

5.6 Hub Locations (Cont'd)

5.6.1 TDS Metrocom, LLC (Cont'd)

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
SHHLWIAA	H01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIGI	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWIUH	H03	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWI08	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWINU	H01	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSPWIMX	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWISC	H00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSOWICQ	W00	No	CUSTOMER PREMISE HUB	MADISON	WI
MDSNWI04	H07	No	CUSTOMER PREMISE HUB	MADISON	WI
MDTNWIAL	RL0	No	CUSTOMER PREMISE HUB	MIDDLETON	WI
APPLWIAK	H01	No	CUSTOMER PREMISE HUB	APPLETON	WI
APPLWIFB	H09	Yes	CENTRAL OFFICE HUB	APPLETON	WI
MNSHWIAO	H02	No	CUSTOMER PREMISE HUB	MENASHA	WI
MNSHWIDQ	W00	No	CUSTOMER PREMISE HUB	MENASHA	WI
APPLWIMX	H01	No	CUSTOMER PREMISE HUB	APPLETON	WI
APPLWICR	0MD	No	CUSTOMER PREMISE HUB	APPLETON	WI
GNBYWICG	H02	No	CUSTOMER PREMISE HUB	GREEN BAY	WI
GNBYWIYM	H00	No	CUSTOMER PREMISE HUB	GREEN BAY	WI
GNBYWISQ	H00	No	CUSTOMER PREMISE HUB	GREEN BAY	WI
APPLWIDG	H02	No	CUSTOMER PREMISE HUB	APPLETON	WI
GNBYWIBQ	H00	No	CUSTOMER PREMISE HUB	ASHWAUBENON	WI
GNBYWICH	H02	No	CUSTOMER PREMISE HUB	ASHWAUBENON	WI
GNBYWICW	H03	No	CUSTOMER PREMISE HUB	ASHWAUBENON	WI

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## ACCESS SERVICE

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5. Access Ordering (Cont'd)5.6 Hub Locations (Cont'd)5.6.1 TDS Metrocom, LLC (Cont'd)

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
GNBYWIFI	H00	No	CUSTOMER PREMISE HUB	ASHWAUBENON	WI
GNBYWIJF	H01	No	CUSTOMER PREMISE HUB	ASHWAUBENON	WI
ASHWWIAE	H01	No	CUSTOMER PREMISE HUB	GREEN BAY	WI
NENHWIFP	H00	No	CUSTOMER PREMISE HUB	NEENAH	WI
MNSHWICG	W00	No	CUSTOMER PREMISE HUB	MENASHA	WI
GNBYWIBN	H03	No	CUSTOMER PREMISE HUB	GREEN BAY	WI
GNBYWISV	H03	No	CUSTOMER PREMISE HUB	GREEN BAY	WI
NWBLWIIX	H01	No	CUSTOMER PREMISE HUB	NEW BERLIN	WI
OKCKWICL	H02	No	CUSTOMER PREMISE HUB	OAK CREEK	WI
PEWKWIEU	H01	No	CUSTOMER PREMISE HUB	PEWAUKEE	WI
WALLWICQ	H03	No	CUSTOMER PREMISE HUB	WEST ALLIS	WI
WKSHWI01	H02	No	CUSTOMER PREMISE HUB	WAUKESHA	WI
WKSHWIDJ	H11	No	CUSTOMER PREMISE HUB	WAUKESHA	WI
VNHLILFH	H05	No	CUSTOMER PREMISE HUB	VERNON HILLS	IL
LBVLILAJ	H03	No	CUSTOMER PREMISE HUB	LIBERTYVILLE	IL
KNWDMINP	H01	No	CUSTOMER PREMISE HUB	GRAND RAPIDS	MI
GRVLMICP	H03	No	CUSTOMER PREMISE HUB	GRAND RAPIDS	MI
GDRPMIBJ	H02	No	CUSTOMER PREMISE HUB	GRAND RAPIDS	MI
GRVLMIAR	H09	No	CUSTOMER PREMISE HUB	GRANDVILLE	MI
KNWDMIGJ	H06	No	CUSTOMER PREMISE HUB	GRAND RAPIDS	MI
NOVIMIIH	H01	No	CUSTOMER PREMISE HUB	NOVI	MI
MDSNWIKW	OMD	Yes	CENTRAL OFFICE HUB	MADISON	WI
NWBLWICY	BMD	Yes	CENTRAL OFFICE HUB	NEW BERLIN	WI

(N)

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ACCESS SERVICE

5. Access Ordering (Cont'd)

5.6 Hub Locations (Cont'd)

**APPROVED**

5.6.1 TDS Metrocom, LLC (Cont'd)

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
VNHLILCK	WMD	Yes	CENTRAL OFFICE HUB	VERNON HILLS	IL
WYNGMIKE	OMD	Yes	CENTRAL OFFICE HUB	WYOMING	MI
LNNGM106	OMD	Yes	CENTRAL OFFICE HUB	LANSING	MI
PLMOMIBY	OMD	Yes	CENTRAL OFFICE HUB	PLYMOUTH	MI

5.6.2 Chorus Networks

Provided upon written request.

5.6.3 U.S. Link

CLLI (8 character)	3 character CLLI	Direct Trunk Transport Available	Domestic or COLO	CITY	STATE
BRNRMNBR	HG1	No	FACILITY HUB	Brainerd	MN
BRNRMNWS	W01	No	FACILITY HUB	Brainerd	MN
BXTRMNAC	H02	No	CUSTOMER PREM HUB	Baxter	MN
MNTIMNAC	OMD	Yes	CENTRAL OFFICE HUB	Monticello	MN
MPLSMNDT	HG0	No	FACILITY HUB	Minneapolis	MN
MPLSMNMS	W01	No	FACILITY HUB	Minneapolis	MN
OSSEMNXO	2MD	No	CUSTOMER PREM HUB	Osseo	MN
PQLKMNMP	BMD	No	FACILITY HUB	Pequot Lakes	MN
STCDMNTO	HG2	No	FACILITY HUB	St. Cloud	MN
WADNMNUS	W01	No	FACILITY HUB	Wadena	MN
BRNRMNCG	H02	No	CUSTOMER PREM HUB	Brainerd	MN
BRNRMNDD	C01	No	CUSTOMER PREM HUB	Brainerd	MN
SPLSMNAD	H00	No	CUSTOMER PREM HUB	Staples	MN
WADNMNAJ	H00	No	CUSTOMER PREM HUB	Wadena	MN

(N)

(N)

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 525 Junction Road, Suite 6000  
 Madison Wisconsin 53717

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE6.1 General

Switched Access Service, which is available to Customers for their use in furnishing their services to end users, provides a two-point communications path between a Customer's premises and an end user's premises. It provides for the use of common terminating, switching and transport facilities. Switched Access Service provides the ability to originate calls from an end user's premises to a Customer's premises, and to terminate calls from a Customer's premises location to an end user's premises.

6.2 Provision and Description of Switched Access Service Arrangements

Switched Access Service is provided in the following service type:

6.2.1 Feature Group C (FGC) Access

FGC Access provides trunk side access to Telephone Company end office switches for the customer's use in originating and terminating communications. Existing FGC Access will be converted to Feature Group D Access when Feature Group D Access becomes available in an end office.

Feature Group C switching is provided at all end office switches unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided. FGC is provided at Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches.

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.

FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such switches, the address signaling will be dial pulse or immediate dial pulse 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.

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TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Description and Provision of Feature Group C (FGC) (Cont'd)6.2.1(A) Measuring Access Minutes

Customer traffic to end offices will be measured (i.e., recorded) by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured or imputed 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 Telephone Company will estimate the volume of lost customer access minutes of use based on previously known values.

For terminating calls over FGC when measurement capability exists, the measured minutes are the chargeable access minutes. For originating calls over FGC, chargeable originating access minutes are derived from recorded minutes in the following manner:

Step 1: Obtain recorded originating minutes and messages 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 series, 900, directory assistance and international from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgment from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Description and Provision of Feature Group C (FGC) (Cont'd)6.2.1(A) Measuring Access Minutes (Cont'd)

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 incompleting 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 incompleting 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.

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

$$(1) \quad \text{Total Attempts} = \frac{1,000(\text{M. Mes.})}{.75(\text{CR})} = 1,333.3$$

$$(2) \quad \text{Total NCTA} = .4 (\text{NCTA per Attempt}) \times 1,333.33 = 533.33$$

$$(3) \quad \text{Total Chargeable Originating Access Minutes} = 7,000 (\text{M. Min}) + 533.33 (\text{NCTA}) = 7,533.33$$

FGC 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.

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Description and Provision of Feature Group C (FGC) (Cont'd)6.2.1(A) Measuring Access Minutes (Cont'd)Originating Usage

For originating calls over FGC, provided with Multi-Frequency Signaling, usage measurement begins when the originating FGC first point of switching receives answer supervision from the customer's point of termination, indicating the called party has answered.

For originating calls over FGC provided with Signaling System 7 (SS7) Signaling when the FGC end office is not routed through an access tandem for connection to the customer, usage measurement begins when the SS7 Initial Address Message is sent from the Service Switching Point (SSP) to the Signal Transfer Point (STP).

For originating calls over FGC provided with Signaling System 7 (SS7) Signaling when the FGC end office is routed through a tandem for connection to the customer, usage measurement begins when the FGC end office receives the SS7 Exit Message from the tandem.

The measurement of originating call usage over FGC provided with Multi-Frequency Signaling ends when the originating FGC 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.

The measurement of originating call usage over FGC provided with SS7 Signaling ends when the originating FGC end office receives an SS7 Release Message indicating either the originating or terminating end user has disconnected.

Terminating Usage

For terminating calls over FGC the chargeable access minutes are either measured or derived. For terminating calls over FGC where measurement capability does not exist, terminating FGC usage is derived from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Description and Provision of Feature Group C (FGC) (Cont'd)6.2.1(A) Measuring Access Minutes (Cont'd)Terminating Usage (Cont'd)

For terminating calls over FGC provided with Multi-Frequency Signaling, where measurement capability exists, the measurement of chargeable access minutes begins when the terminating FGC first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. This measurement ends when the terminating FGC first point of switching receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating 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 FGC with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Telephone Company switch receives answer supervision and sends the indication to the customer in the form of an answer message. The measurement of terminating FGC call usage ends when the entry switch receives or sends a Release Message, whichever occurs first.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Description and Provision of Feature Group C (FGC) (Cont'd)6.2.2 Feature Group D (FGD) Access

FGD Access, which is available to all Customers, is provisioned at the DS-1 level and provides trunk-side access to Company Local Switching center switches, with an associated uniform 101XXXX Access Code for the Customer's use in originating and terminating communications.

Basic FGD service will be provided with SS7 (Multi-Frequency In Band Signaling is also available as a Common Switching Option for Feature Group D). End users of the Customer's service may also originate calls to certain FGD Access Customers without dialing the 101XXXX Access Code if the end user is presubscribed, as described herein.

The Access Code for FGD switching is a uniform Access Code of the form 101XXXX. A single Access Code will be the assigned number of all FGD access provided to the Customer by the Company. 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, as set forth herein.

Where no Access Code is required, the number dialed by the Customer's end user shall be a seven or ten digit number for calls in the North America Numbering Plan (NANP), except for 00-dialed calls which are routed to the predesignated Customer. 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-XYCXX, and, when the Local Switching Center is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

When the 101XXXX Access Code is used, FGD switching also provides for dialing the digit 0 (zero) for access to the Customer's operator, 911 for access to the Company's emergency service or the end-of-dialing digit (#) for cut-through access to the Customer's premises.

In addition, end users may originate calls by dialing the 950-XXXX Access Code specified to a particular Interexchange Carrier, provided that the Interexchange Carrier has subscribed to the Company's Feature Group D with 950 Access (Feature Group B) Common Switching Optional Feature. If the end user is presubscribed to that Interexchange Carrier, no Access Code is necessary.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Description and Provision of Feature Group C (FGC) (Cont'd)6.2.2 Feature Group D (FGD) Access6.2.2 (A) Measuring Access Minutes (Cont'd)

FGD 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.

Originating Usage

For originating calls over FGD the measured minutes are the chargeable access minutes.

For originating calls over FGD, provided with Multi-Frequency Signaling, 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.

For originating calls over FGD provided with Signaling System 7 (SS7) Signaling when the FGD end office is not routed through an access tandem for connection to the customer, usage measurement begins when the SS7 Initial Address Message is sent from the Service Switching Point (SSP) to the Signal Transfer Point (STP).

For originating calls over FGD provided with Signaling System 7 (SS7) Signaling when the FGD end office is routed through a tandem for connection to the customer, usage measurement begins when the FGD end office receives the SS7 Exit Message from the tandem.

The measurement of originating call usage over FGD provided with Multi-Frequency Signaling 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.

The measurement of originating call usage over FGD provided with SS7 Signaling ends when the originating FGD end office receives an SS7 Release Message indicating either the originating or terminating end user has disconnected.

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Description and Provision of Feature Group C (FGC) (Cont'd)6.2.2 Feature Group D (FGD) Access6.2.2 (A) Measuring Access Minutes (Cont'd)Terminating Usage

For terminating calls over FGD the chargeable access minutes are either measured or derived.

For terminating calls over FGD provided with Multi-Frequency Signaling, where measurement capability exists, the measurement of chargeable 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. This measurement ends when the terminating FGD first point of switching receives disconnect supervision from either the terminating end user's end office, indicating the terminating 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, where measurement capability does not exist, terminating FGD usage is derived from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

For terminating calls over FGD with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Telephone Company switch receives answer supervision and sends the indication to the customer in the form of an answer message. The measurement of terminating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.3 Manner of Revision

Trunks used for Switched Access Service may be configured for one-way (either originating only or terminating only) or for two-way directionally. It is the Customer's responsibility to order a sufficient number of trunks of each type in order to meet its desired grade of service objective.

6.2.4 Switched Access Service Categories

There are four categories which apply to Switched Access Service:

- Local Transport
- End Office
- Chargeable Optional Features
- Carrier Common Line

Following is a description of the categories for the facilities required to provide Switched Access Services to the customer.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4 (A) Local Transport (Cont'd)

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 designated premises) and in the terminating direction (from the customer 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 customer must specify the choice of facilities (*i.e.*, Voice Grade 2 or 4 wire or High Capacity DS1 or DS3) to be used in the provision of the Direct Trunked Transport or Entrance Facility.

The customer must specify when ordering (1) whether the service is to be directly routed to an end office switch or hub, or through an access tandem switch, and (2) the type of Direct Trunked Transport and whether it will overflow to Tandem Switched Transport when service is directly routed to an end office, (3) the type of Entrance Facility, (4) the directionality of the service, and (5) when multiplexing is required, the hub(s) at which the multiplexing will be provided.

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When service is to be routed through an access tandem switch, the facility between the serving wire center and the tandem will be provided as Direct Trunked Transport.

ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Switched Access Service Categories (Cont'd)

6.2.4 (A) Local Transport (Cont'd)

Direct Trunked Transport is available at all tandems and at all end offices except those end offices identified in NECA 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 provide equal access through a centralized equal access arrangement, (2) from end offices that lack recording or measurement capability.

Normally, Direct Trunked Transport of originating 800 series type calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series type calls. These end offices are also identified in NECA, Tariff F.C.C. No. 4.

Unless otherwise ordered by the F.C.C., where the Telephone Company elects to provide equal access through a centralized equal access arrangement, the Telephone Company will designate the serving wire center. The designated SWC or hub will normally be that wire center which provides dial tone to the telephone company centralized Equal Access tandem office identified in NECA Tariff F.C.C. No. 4.

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When service is provided in cooperation with a non telephone company provider of centralized Equal Access, the SWC or hub will be that wire center which would normally provide dial tone to the telephone company point of interconnection with the non telephone company provider of centralized Equal Access specified in the tariff of the centralized Equal Access provider. Those Telephone Company offices providing equal access through centralized arrangements are identified in NECA Tariff F.C.C. No. 4.

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(T)

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4 (A) Local Transport (Cont'd)

The Local Transport Rate Category includes five classes: (1) Entrance Facility, (2) Direct Trunked Transport, (3) Tandem Switched Transport, (4) Transport Interconnection Charge, and (5) Multiplexing.

6.2.4 (A)1 Entrance Facility

The Entrance Facility is associated with a communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Entrance Facility 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 customer designated premises and the type of signaling capability, if any.

Three types of Entrance Facility are 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 (an 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.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4 (A) Local Transport (Cont'd)6.2.4 (A)1 Entrance Facility (Cont'd)

A customer's Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a letter of authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

6.2.4 (A)2 Direct Trunked Transport

Direct Trunked Transport is associated with the communications path between a serving wire center and an end office or serving wire center and a tandem on circuits dedicated to the use of a single customer.

Direct Trunked Transport is available to all tandems and to all end offices except those end offices identified in NECA Tariff F.C.C. No. 4, Wire Center Information as not having the capability to provide Direct Trunked Transport.

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.

Normally, Direct Trunked Transport of originating 800 series type calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series type calls. These end offices are also identified in NECA, Tariff F.C.C. No. 4.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4 (A) Local Transport (Cont'd)6.2.4 (A)2 Direct Trunked Transport (Cont'd)

Three types of Direct Trunked Transport are 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.

High Capacity DS3 Direct Trunked Transport can not be terminated at end offices that are not identified as hub offices that provide DS3 to DS1 multiplexing. Additionally, DS1 Direct Trunked Transport can not be terminated at end offices that are not identified as hub offices that provide DS1 to Voice Grade multiplexing or are not electronic end offices. Offices that provide multiplexing are identified in NECA Tariff F.C.C. No. 4, Wire Center Information.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4(A) Local Transport (Cont'd)6.2.4 (A)3 Tandem Switched Transport

Tandem Switched Transport is associated with the communications path between a tandem and an end office on circuits that are switched at a tandem switch, or between a host and a remote switch.

In those instances where an SSP equipped end office is capable of handling 800 SAC Traffic on a direct trunked basis but incapable of handling 888 SAC traffic on a direct trunked basis, a full credit will be provided for Tandem Switched Transport Charges associated with FGC and FGD service for 888 SAC traffic delivered at the tandem.

This results in all 800 series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling 888 SAC traffic on a direct trunked basis. Those SSP equipped end offices that cannot accommodate direct trunking of originating 888 SAC traffic are identified in NECA Tariff F.C.C. No. 4, Wire Center Information.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4 (A) Local Transport (Cont'd)6.2.4(A)4 Multiplexing

DS3 to DS1 Multiplexing charges specified in Section 15 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. 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 NECA Tariff F.C.C No. 4, Wire Center Information.

6.2.4 (A)5 Interface Groups

Ten Interface Groups are provided for terminating the Entrance Facility at the customer's designated premises.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4 (A) Local Transport (Cont'd)6.2.4 (A)6 Nonchargeable Optional Features

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 the following optional features.

- Supervisory Signaling
- Customer Specified Entry Switch Receive Level
- Customer Specification of Local Transport Termination

When a customer subscribes to Common Channel Signaling Network Connection Service (CCSNC Service), the following optional features are made available.

- Signaling System 7 (SS7) Signaling
- Calling Party Number
- Carrier Selection Parameter
- Charge Number Parameter
- Automatic Number Identification (ANI)
- End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services
- Nonhunting Number Associated 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
- Digital Switched 56 Service
- Multifrequency Address Signaling
- Signaling System 7 (SS7) Signaling
- Calling Party Number (CPN)
- Carrier Selection Parameter (CSP)
- Charge Number Parameter (CNP)
- Flexible Automatic Number Identification (Flex ANI)

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Switched Access Service Categories (Cont'd)

6.2.4 (B) End Office

The End Office category relates to the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office category consists of Local Switching Common Trunk Port and Dedicated Trunk Port.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4 (B) End Office (Cont'd)6.2.4 (B)1 Local Switching

The Local Switching element relates to the use of end office switching equipment, the terminations in the end office of end user lines, the terminations of calls at Telephone Company Intercept Operators or recordings, the STP costs, and the SS7 signaling function between the end office and the Signaling Transfer Point.

Local Switching does not apply to Feature Groups B and D Switched Access Services associated with Wireless Switching Centers (WSCs) directly interconnected to a Telephone Company access tandem office.

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with Local Switching which provides local dial switching for Feature Groups 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 switched through a standard FGC or FGD equipped end office.

There are four types of functions included in the Local Switching element: Common Switching, and Intercept. These are described in (a) through (b) following.

6.2.4 (B)1.(a) Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements.

6.2.4 (B)1 (b) Transport Termination

Transport termination functions provide for the line or trunk side arrangements which terminate the Local Transport facilities.

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4 (B) End Office (Cont'd)6.2.4 (B)1 Local Switching (Cont'd)6.2.4 (B)1 (c) Line Termination

Line Termination provides for the termination of end user lines in the Local end office. 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 the 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 pulse or dual tone multifrequency address signaling.

6.2.4 (B)1.(d) Intercept

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

6.2.4 (B)2 Common Trunk Port

The Common Trunk Port used by multiple customers provides for the termination of common transport trunks in common end office trunk ports in conjunction with tandem routed traffic.

6.2.4 (B)3 Dedicated Trunk Port

The Dedicated Trunk Port provides for termination of direct facilities used by a single customer in an end office trunk port where traffic is transported between the serving wire center or the hub, and the end office.

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.4 Switched Access Service Categories (Cont'd)6.2.4 (C) Chargeable Optional Features (Cont'd)6.2.4.(C)1 800 Series Data Base Access Service

800 Series Data Base Access Service is provided to all customers in conjunction with FGC and FGD switched access service. When a 1+800+NXX-XXXX call is originated by an end user, the Telephone Company will utilize the Signaling System 7 (SS7) network to query an 800 series data base to identify the customer to whom the call will be delivered and provide vertical features based on the dialed ten digits. The call will then be routed to the identified customer over FGC or FGD switched access.

A Basic or Premium Feature Query charge, as set forth in the Rates and Charges Section of this tariff, is assessed for each query launched to the data base which identifies the customer to whom the call will be delivered. The Basic Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of 800 series type calls by telephone companies to different inter-exchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Premium Feature Query provides the same customer identification as the basic query and vertical features which may include: (1) call validation, (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 series numbers; (3) alternate POTS translation (which allows subscribers to vary the routing of 800 series type calls based on factors such as time of day, place or origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3)).

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Switched Access Service Categories (Cont'd)

6.2.4 (D) Carrier Common Line

The Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to customers in conjunction with Switched Access Service.

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

6.2.4 (D)1 Limitations

6.2.4 (D)1.(a) Exclusions

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

ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Switched Access Service Categories (Cont'd)

6.2.4 (D) Carrier Common Line (Cont'd)

6.2.4 (D)1 Limitations (Cont'd)

6.2.4 (D)1.(b) Access Groups

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

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

6.2.4 (D)1.(c) WATS Access Lines

Where Switched Access Services are connected with Special Access Services at Telephone Company Designated WATS Serving Offices for the provision of WATS or WATS-type Services, Switched Access Service minutes which are carried on that end of the service (i.e., originating minutes for outward WATS and WATS-type services and terminating minutes for inward WATS and WATS-type services) shall not be assessed Carrier Common Line Access per minute charges.

ACCESS SERVICE

APPROVED

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Switched Access Service Categories (Cont'd)

6.2.4 (E) Common Channel Signaling/Signaling System 7 Network Connection Service (CCSNC)

Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC) provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Signaling Transfer Point (STP). This service provides customers with the use of a two-way signaling path for accessing information necessary for the completion of their end user's calls.

CCS/SS7 Networks Connection Service is comprised of two parts; a Signaling Network Access Link (SNAL, consisting of Signaling Mileage Facility, Signaling Mileage Termination and Signaling Entrance Facility) and a Signaling Transfer Point (STP) Port. The SNAL is provided as a dedicated 56 kbps out-of-band signaling connection between the customer's SPOI and the STP Port on the STP.

The CCS/SS7 Networks Connection Service is provisioned by a mated pair of STPs as described in Technical Reference TR-TSV 000905 in order to ensure networks availability and reliability. The Company shall not be held liable for service outages if the customer employs technology related to the interconnection of signaling networks that do not adhere to generally accepted industry technical standards.

When CCS/SS7 Network Connection service is provisioned for use with SS7 Signaling, interconnection between signaling networks must occur at an STP.

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(M) Text shown here now appears on Page 6-24.1 of this Section.

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Switched Access Service Categories (Cont'd)

**APPROVED**

6.2.4(F) Intermediate Transport Access Service

Intermediate Transport Service is the use of the Company's facilities to transport interstate switched access traffic between a third party end office switch and the Customer designated premises. Section 6.2.4(A) provides descriptions of the types of transport classifications provided by the Company under Intermediate Transport Access Service. Meet Point Billing, as provided in Section 2.4.7(B), applies in assessing Intermediate Transport charges since more than one Exchange Telephone Company is involved in the provision of the access service to the Customer. All recurring and nonrecurring charges for Intermediate Transport service provided by the Company are set forth in Section 15.3.2(C).

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6.2.5 Descriptions and Application of Rate

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6.2.5 (A) Recurring Rates

6.2.5 (A)1 Usage Rates for Switched Access Service are rates that apply on a per access minute or a per call basis. Access minute charges and per call charges are accumulated over a monthly period.

6.2.5 (A)2 Flat Rates for Switched Access Service are rates that apply on a per month per rate element basis.

(M)

(M) Text shown here previously appeared on Page 6-24 of this Section.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.5 Descriptions and Application of Rate (Cont'd)6.2.5 (B) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service and service rearrangements. These charges are in addition to the Access Order Charge as specified in the Rates and Charges Section of this tariff.

6.2.5 (B)1 Installation of Service

A Local Transport nonrecurring installation charge, as set forth in the Rates and Charges Section of this tariff, will be applied per line or trunk installed.

A non-recurring Directory Access installation charge, as set forth in the Rates and Charges Section of this tariff, will apply per line or trunk ordered.

A non-recurring Interim NXX translation charge, as set forth in the Rates and Charges Section of this tariff, will apply per order.

6.2.5 (B)2 Service Rearrangements

All changes to existing services other than changes involving administrative will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring charge described in (1) preceding will apply for this work activity.

For conversion of FGD trunks from multifrequency address signaling to SS7 signaling or from SS7 signaling to multifrequency address signaling, nonrecurring charges will apply as set forth in the Rates and Charges Section of this tariff.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.5 Descriptions and Application of Rate (Cont'd)6.2.5 (B) Nonrecurring Charges (Cont'd)6.2.5 (B)3 Interim NXX Translation Optional Feature

This non-recurring charge applies to the initial order for the installation of the Interim NXX Translation optional feature with Feature Group C or Feature Group D Switched Access Service and for each subsequent order received to add or change NXX translation codes. This charge, if applicable, applies whether this optional feature is installed coincident with or at any time subsequent to the installation of Switched Access Services. This charge is applied by the Telephone Company per order, per LATA or Market Area. When it is necessary for multiple telephone companies to provide the translation function, the non-recurring charge is assessed only by the Telephone Company that provides the final translation function which identifies the customer's traffic and this traffic is then delivered to the customer's point of termination without any further translation.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)6.2.6 Billing Validation Service

The Company shall arrange to have its billing validation data stored in one of the existing Line Information Databases (LIDBs). It will be the responsibility of the Customer to identify this database through established industry procedures, and to query the billing validation data in the LIDB. Based on the received query information, the LIDB will respond with an SS7 formatted confirmation of validity or denial for the requested billing option. Access in LIDB provides Customers with potential toll fraud detection.

The LIDB will contain a record for every working line number and Billed Number Group served by the Company.

The Company will update the LIDB information on a daily basis.

LIDB service is provided on an on-line, call-by-call basis. Company data accessed from the LIDB shall remain the sole property of the Company, and may not be stored or reproduced by the Customer for any reason.

The Company will have procedures in place to deactivate billing validation data in the event that it is being used fraudulently.

6.2.7 Acceptance Testing

At no additional charge, the Company will, at the Customer's request, cooperatively test, at the time of the installation, the following parameters: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling.

6.2.8 Ordering Options and Conditions

Access Service is ordered under the Access Order provisions set forth in Section 5.

6.2.9 Competitive Pricing Arrangements

Competitive pricing arrangements can be furnished to meet the communication needs of specific customers on a case-by-case basis under individual contract.

## ACCESS SERVICE

### 6. SWITCHED ACCESS SERVICE (Cont'd)

#### 6.3 Obligations of the Company

In addition to the obligations of the Company set forth in other sections of this tariff, the Company has certain other obligations concerning the provision of Switched Access service. These obligations are as follows:

##### 6.3.1 Network Management

The Company will administer its network to ensure the provision of acceptable service levels to all telecommunications users of the 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 Company network. The Company reserves 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 Company or Customer facilities, natural disasters, mass calling or national security demands. The Customer will notify the Company of anticipated peaked services as stated below. Based on the information provided, the Company will work cooperatively with the Customer to determine the appropriate level of control. In the event that the protective controls applied by the 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 Section 2.4.4.

When a Customer uses the Company's facilities to offer services for which a substantial call volume or peaked service is expected during a short period of time, the Customer must notify the Company at least 24 hours in advance of each peak period. For events scheduled during weekends or holidays, the Company must be notified no later than 5:00 p.m. local time the prior business day. Notification should include the nature, time, duration, and frequency of the event, an estimated call volume, and the NPA NXX and line number(s) to be used. On the basis of the information provided, the Company may invoke network management controls if required to reduce the probability of excessive network congestion. The Company will work cooperatively with the Customer to determine the appropriate level of such control. Failure to provide prescribed notification may result in Customer caused network congestion, which could result in discontinuance of service.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.4 Switched Access Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups for Switched Access Service.

6.4.1 Non-Chargeable Features6.4.1 (A) Signaling System Seven (SS7)

This option provides out-of-band transmission of SS7 protocol signaling information between the Local Switching center switching system and the Customer's designated premises. Prior to installation of any SS7 circuits, the Customer must agree to participate in SS7 certification testing. The Company will provide a testing plan to the Customer, and reserves the right to deny SS7 connectivity if the Customer's circuits do not meet the testing requirement.

6.4.1 (B) 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 in the form of Multifrequency (MF) Signaling for each transmission path.

6.4.2 Feature Group D Optional Features6.4.2 (A) Common Switching Optional Features

6.4.2 (A)1 Alternate Traffic Routing: This option provides the capability of directing originating traffic from a Local Switching Center to a direct access Trunk group, with additional traffic overflowing to the access Tandem Trunk group and then to a Customer designated premises. Multiple Customer premises Alternate Routing is also available where originating traffic from a Local Switching Center is directed via a Trunk Group to a Customer designated premises until that group is fully loaded, and then additional originating traffic from the same Local Switching center or access tandem is delivered via a different Trunk Group to a second Customer designated Premise. The Customer shall specify the last Trunk CCS desired for the high use group.

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.4 Switched Access Optional Features (Cont'd)6.4.2 Feature Group D Optional Features (Cont'd)6.4.2 (A) Common Switching Optional Features (Cont'd)

6.4.2 (A)2 Automatic Number Identification (ANI): This option provides automatic in-band transmission signaling of a seven or ten- digit number and information digits to the Customer's premises for calls originating in the LATA for the identification of the calling station. The ANI feature is a Local Switching center software function which is associated on a call-by-call basis with: 1) all individual transmission paths in a trunk group routed directly between a Local Switching Center and a Customer's premises; or where technically feasible, 2) all individual transmission paths in a Trunk group between a Local Switching Center and an Access Tandem, and a Trunk group between an Access Tandem and a Customer's premises.

The ten-digit ANI telephone number is only available with Feature Group D. The ten-digit ANI telephone number consists of the Number 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 multi-party line or ANI failure in which case only the NPA will be transmitted.

6.4.2 (A)3 Call-Through: This option allows end users of the Customer to reach the Customer's premises by using the end of dialing digit (#) at the end of the dialing sequence. The Company will not record any other dialed digits for these calls.

6.4.2 (A)4 Service Class Routing: This option provides the capability of directing originating traffic from a Local Switching Center to a Trunk group to a Customer designated premises, based on the line class of service and service prefix indicator. A domestic Interexchange Carrier may not order more than four different routes per Local Switching Center or Access Tandem. An international Interexchange Carrier may order up to four additional routes.

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

## ACCESS SERVICE

6. SWITCHED ACCESS SERVICE (Cont'd)6.4 Switched Access Optional Features (Cont'd)6.4.2 Feature Group D Optional Features (Cont'd)6.4.2 (A) Common Switching Optional Features (Cont'd)

- 6.4.2 (A)5 Feature Group D with 950 Access (feature Group B): This option provides for the routing of originating calls, dialed using a 950-10XX or 950-1XXX Access Code, to the FGD Customer using FGD signaling protocols and technical specification. The Customer is responsible for distinguishing between standard FGD calls and 950-dialed calls delivered over the same trunks.
- 6.4.2 (A)6 Basic Initial Address Message Delivery: This option permits the following optional SS7 signaling call setup parameters: User Service Information, Called Party Number, Calling Party Number, Charge Number, Originating Line Information, Transit Network Selection, Carrier Selection, Service Code and Access Transport.
- 6.4.2 (A)7 Called Directory Number Delivery: This option provides the Customer with the telephone number to which the call was directed. The seven-or-ten-digit number is provided as part of the in-band transmission with MF signaling. The Called Directory Number Delivery feature is associated on a call-by-call basis with all individual transmission paths in a Trunk group routed from an Access Tandem or the originating Local Switching Center. This option is available except when FGD is provided with 950 access (Feature Group B) or Cut-Through features.
- 6.4.2 (A)8 Flexible Automatic Number Identification Delivery: This feature is a network enhancement to ANI. The feature is available on inbound signaling or in the Originating Line Information Parameter in the Basic Initial Address Message Delivery optional feature for SS7 signaling. Flexible ANI will provide additional values for Information Indicator (II) digits that are associated with various classes of service not associated with the standard ANI digits. This feature may only be used in conjunction with ANI. The following Information Indicator codes are available: Confinement/Detention Facilities; Outward Wide Area Telecommunications Service; Cellular Service Private Pay Station; and, Access for Private Virtual Networks.

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

**ACCESS SERVICE**

**7. SPECIAL ACCESS SERVICE**

**7.1 General**

Special Access Service provides a transmission path to connect customer designated premises, directly, or through a Telephone Company hub or hubs where bridging or multiplexing functions are performed.

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The connections provided by Special Access Service are digital. Digital connections are differentiated by bit rate.

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**7.1.1 Channel Types**

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

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

(D)  
  
(D)

Customers can order a basic channel and select from a list of those available transmission parameters and channel interfaces that they desire in order to meet specific communications requirements.

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

**ACCESS SERVICE**

**7. SPECIAL ACCESS SERVICE (Continued)**

**7.1 General (Continued)**

**7.1.1 Channel Types (Continued)**

Following is a brief description of each type of channel:

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High Capacity - a channel for the transmission of DS1 (1.544 Mbps), DS3 (44.736 Mbps), OC3 (155.52 Mbps), OC12 (622.08 Mbps), OC48 (2488.28 Mbps) Services.

(T)  
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Detailed descriptions of each of the channel types are provided in 7.4 through 7.6 following.

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

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For example, a customer may order a 44.736 Mbps High Capacity channel from a customer designated premises to a Telephone Company hub for multiplexing to twenty-eight 1.544 Mbps channels. Optional features may be added to the 1.544 Mbps channels.

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**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.1 General (Continued)

7.1.2 Service Descriptions

For the purposes of ordering, there is one category of Special Access Service. This is:

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Service Designator Codes

(D)  
(D)

High Capacity

HC

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Technical specifications packages are described in Section 13. following, optional features and functions are described in this section. Channel interfaces are described in 13.2 following.

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

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be advised and given the opportunity to change the order.

The channel descriptions provided in 7.4 through 7.6 following, specify the characteristics of the basic channel and indicate whether the channel is provided between customer designated premises, between a customer designated premises and a Telephone Company Central Office Hub where bridging or multiplexing functions are performed, between Facility Hubs, or between a Customer Premises Hub.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Service Descriptions (Cont'd)

- (A) Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in matrices set forth in 13.2 following.
- (B) Channel interfaces at each Point of Termination on a two-point service may be symmetrical or asymmetrical. Only certain channel interfaces are compatible. These are set forth in 13.2 following, in a combination format. (D)  
(D)
- (C) Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in (E) following. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.
- (D) The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in matrices set forth in 13.2 following with the optional feature or function listed down the left side and the technical specifications package listed across the top.

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.1 General (Continued)

7.1.2 Service Descriptions (Continued)

(E) All services installed after April 1, 1985 will conform to the transmission specifications standards contained in this tariff or in the following Technical References for each category of service:

High Capacity

- GR-342-CORE
- GR-54-CORE
- GR-253-CORE
- GR-1374-CORE
- ANSI T1.105
- ANSI T1.102

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(D)  
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(T)

7.1.3 Service Configurations

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(D)

(A) Two-Point Service

A two-point service connects two Customer Designated Premises or Facility Hubs through a Central Office Hub where multiplexing functions are performed.

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Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

**ACCESS SERVICE**

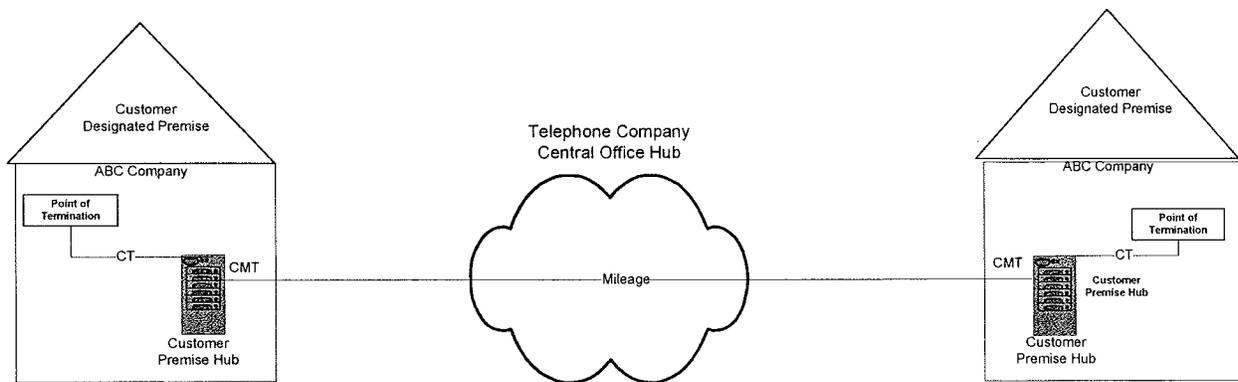
7. **SPECIAL ACCESS SERVICE** (Continued)

7.1 General (Continued)

7.1.3 Service Configurations (Continued)

(A) Two-Point Service (Continued)

The following diagram depicts a two-point High Capacity service connecting two Customer Designated Premises (CDP) utilizing two Type 1 Customer Premise Hubs. (T)



Applicable rate elements are:

- Channel Terminations (applicable one (1) per CDP)
- Channel Mileage  
 2 Channel Mileage Terminations plus  
 1 section, Channel Mileage Facility per mile

**ACCESS SERVICE**

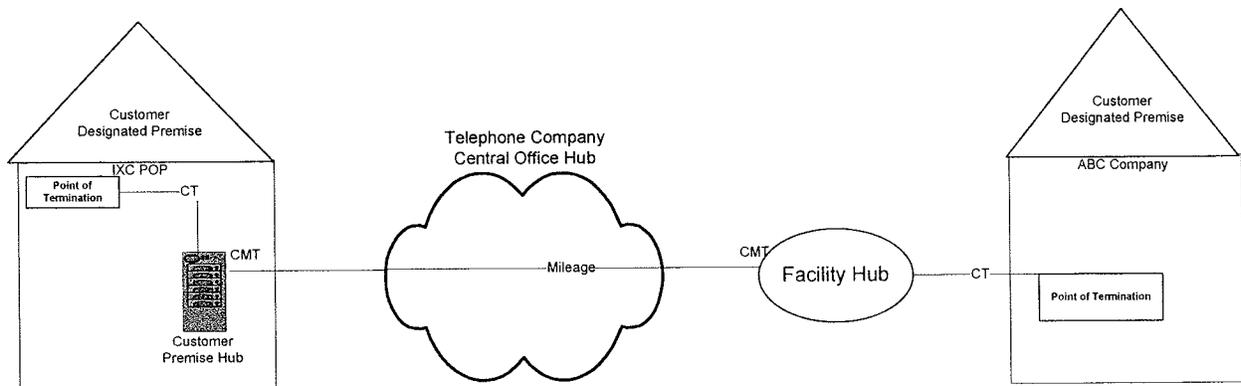
7. **SPECIAL ACCESS SERVICE** (Continued)

7.1 General (Continued)

7.1.3 Service Configurations (Continued)

(A) Two-Point Service (Continued)

The following diagram depicts a two-point High Capacity service connecting a Type 1 IXC POP to a Type 2 or Type 3 Customer Designated Premises (CDP). (T)  
 (T)



Applicable rate elements are:

- Channel Terminations (applicable one (1) per CDP)
- Channel Mileage
  - 2 Channel Mileage Terminations plus
  - 1 section, Channel Mileage Facility per mile

**ACCESS SERVICE**

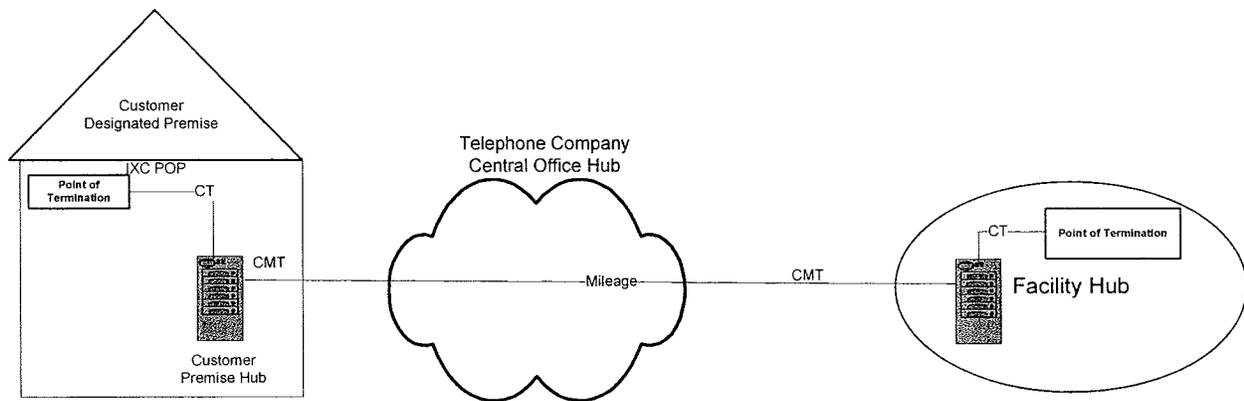
7. **SPECIAL ACCESS SERVICE** (Continued)

7.1 General (Continued)

7.1.3 Service Configurations (Continued)

(A) Two-Point Service (Continued)

The following diagram depicts a two-point High Capacity service connecting a Type 1 Customer Designated Premises (CDP) to a Type 1 Facility Hub. (T)



Applicable rate elements are:

- Channel Terminations (applicable one (1) per Termination Pt)
- Channel Mileage
  - 2 Channel Mileage Terminations plus
  - 1 section, Channel Mileage Facility per mile

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

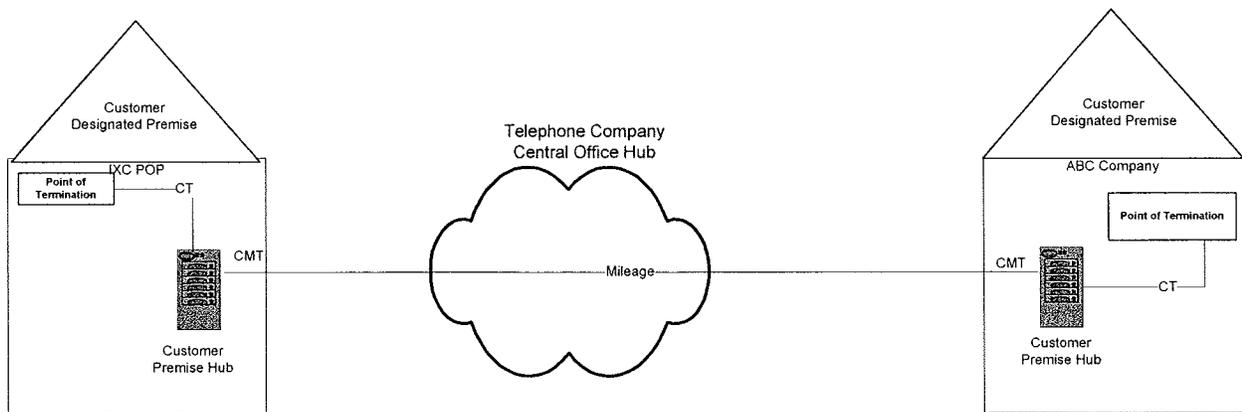
7.1 **General** (Continued)

7.1.3 **Service Configurations** (Continued)

(A) **Two-Point Service** (Continued)

The following diagram depicts a two-point High Capacity service connecting two Customer Designated Premises (CDP) from Type 1 IXC POP to Type 1 CDP.

(T)  
(T)



Applicable rate elements are:

- Channel Terminations (applicable one (1) per CDP)
- Channel Mileage
  - 2 Channel Mileage Terminations plus
  - 1 section, Channel Mileage Facility per mile

**ACCESS SERVICE**

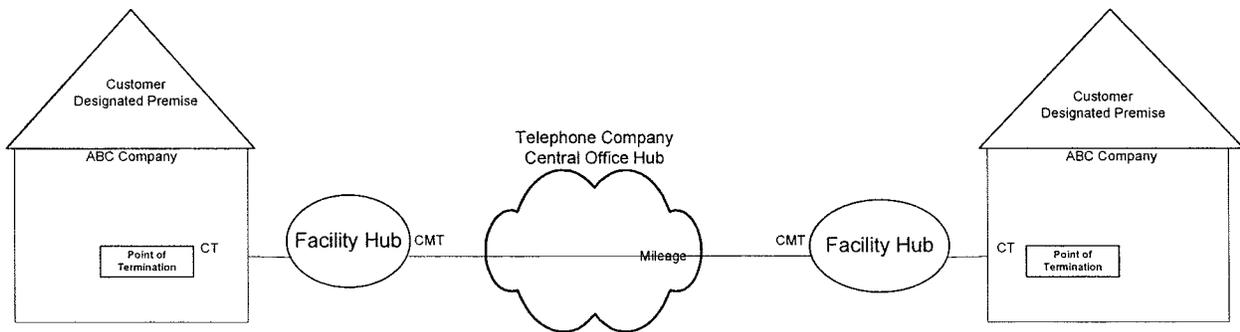
7. **SPECIAL ACCESS SERVICE** (Continued)

7.1 General (Continued)

7.1.3 Service Configurations (Continued)

(A) Two-Point Service (Continued)

The following diagram depicts a two-point High Capacity service connecting two Customer Designated Premises (CDP) utilizing two Type 2 or Type 3 Customer Premise Hubs. (T)  
(T)



Applicable rate elements are:

- Channel Terminations (applicable one (1) per CDP)
- Channel Mileage  
2 Channel Mileage Terminations plus  
1 section, Channel Mileage Facility per mile

**ACCESS SERVICE**

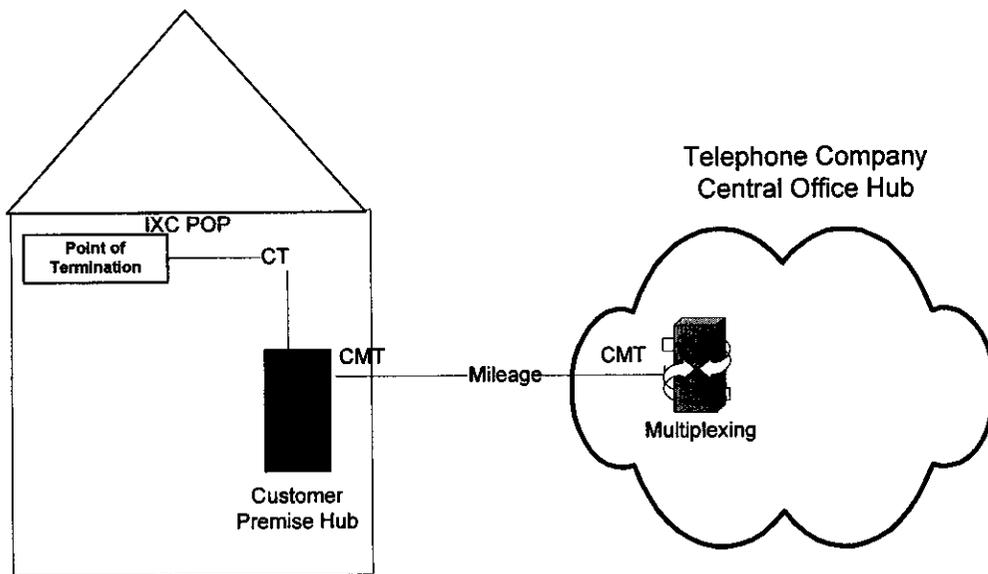
7. **SPECIAL ACCESS SERVICE** (Continued)

7.1 **General** (Continued)

7.1.3 **Service Configurations** (Continued)

(A) **Two-Point Service** (Continued)

The following diagram depicts a High Capacity service Entrance Facility.



Applicable rate elements are:

- Channel Terminations (applicable one (1) per CDP)
- Channel Mileage  
2 Channel Mileage Terminations plus  
1 section, Channel Mileage Facility per mile

(N)

(N)

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.1 General (Continued)

7.1.4 Reserved For Future Use

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(D)

(D)

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are provided on an Individual Case Basis.

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.

**ACCESS SERVICE**

**7. SPECIAL ACCESS SERVICE (Cont'd)**

**7.1 General (Continued)**

**7.1.7 Acceptance Testing**

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test the following at the time of installation:

- (A) For High Capacity Services, acceptance tests will include tests applicable to the service as specified by the customer in the order for service.

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(D)  
  
(T)  
  
(D)  
|  
(D)

**7.1.8 Ordering Options and Conditions**

Special Access Service is ordered under the Access Order provisions set forth in Section 5. preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

**APPROVED**

7.2 Rate Regulations

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

7.2.1 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Channel Terminations (described in 7.2.1(A) following)
- Channel Mileage (described in 7.2.1(B) following)
- Optional Features and Functions (described in 7.2.1(C) following).

(A) Channel Terminations

The Channel Termination rate category recovers the costs associated with the communications path between a customer designated premises and the Facility Hub or Customer Premise Hub 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 or Facility Hub at which the channel is terminated. This charge will apply even if the Customer Designated Premises and the Customer Premise Hub are collocated in the same building.

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(T)

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.2 Rate Regulations (Continued)

7.2.1 Rate Categories (Continued)

(A) Channel Terminations (Continued)

(D)

|

(D)

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.2 Rate Regulations (Continued)

7.2.1 Rate Categories (Continued)

(B) Channel Mileage

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the Central Office, Facility or Customer Premise Hub associated with two Customer Designated Premises. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

(1) Channel Mileage Facility

The Channel Mileage Facility rate recovers the per mile cost for the transmission path which extends between the Telephone Company Central Office and Facility or Customer Premise Hubs.

(2) Channel Mileage Termination

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at hubs). The Channel Mileage Termination rate will apply at the hubs for each Customer Designated Premise and Telephone Company hub where the channel is terminated.

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(D)

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

(D)

(D)

**ACCESS SERVICE**

**7. SPECIAL ACCESS SERVICE (Continued)**

**7.2 Rate Regulations (Continued)**

**7.2.1 Rate Categories (Continued)**

**(C) Optional Features and Functions**

The Optional Features and Functions rate category recovers the costs associated with optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning

(D)

Descriptions for each of the available Optional Features and Functions are set forth in 7.4 through 7.6 following.

A Central Office Hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed are to connect two Customer Designated Premises. The multiplexing functions are to channelize digital facilities to individual services requiring a lower capacity or bandwidth.

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(D)

## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

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

(B) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements. These charges are in addition to the Access Order Charge as specified in 15.5 following.

(1) Installation of Service

Non-recurring charges apply to each service installed. The non-recurring charges for the installation of service are set for each channel type as a non-recurring charge for the Channel Termination.

(2) Installation of Optional Features and Functions

When optional features and functions are installed coincident with the initial installation of service, no separate non-recurring charge is applicable. When optional features and functions are installed or changed subsequent to the installation of service, an Access Order Charge as specified in 15.5 following will apply per order.

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.2 Rate Regulations (Continued)

7.2.2 Types of Rates and Charges (Continued)

(C) Nonrecurring Charges (Continued)

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service. Changes to pending orders are set forth in 5.4 preceding.

Changes in the physical location of the point of termination or Customer Designated Premises are moves as set forth in 7.2.3 following. (T)

Changes in the type of Service or Channel Termination which result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

Changes in ownership or transfer of responsibility from one customer to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility is as set forth in 2.1.2(A) preceding where there is no change in facilities or arrangements, the change will be treated as an administrative change.

## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

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

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged as follows:

- If the change involves the addition of other customer designated premises to an existing service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added. The charge(s) will be in addition to an Access Order Charge as set forth in 15.5 following.

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.2 Rate Regulations (Continued)

7.2.2 Types of Rates and Charges (Continued)

(C) Nonrecurring Charges (Continued)

(3) Service Rearrangements (Continued)

- If the change involves the addition of an optional feature or function, the Access Order Charge as set forth in 15.5 following will apply. (T)
- When the 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. (T)

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 customer will be charged Labor and other Charges incurred by the Telephone Company or other underlying carrier. There will be no change in the minimum period requirements. This charge is in addition to the Access Order Charge as specified in 15.5 following. (T)

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.2 Rate Regulations (Continued)

7.2.3 Moves (Continued)

(B) Moves To a Different Building

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

7.2.4 Minimum Periods

The minimum service period for all services, except DS3 and OCN High Capacity Services, is one month and the full monthly rate will apply to the first month. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in 2.4.1(F) preceding. The minimum service period for DS3 and OCN High Capacity service is twelve months.

(T)

**ACCESS SERVICE**

**7. SPECIAL ACCESS SERVICE (Continued)**

**7.2 Rate Regulations (Continued)**

**7.2.5 Mileage Measurement**

The mileage to be used to determine the monthly rate for the Channel Mileage Facility is calculated on the airline distance between the locations involved, i.e.,

- the Facility or Customer Premise Hubs associated with two Customer Designated Premises,
- a Facility or Customer Premise Hub associated with a customer designated premises and a Telephone Company Central Office Hub,
- two Telephone Company hubs

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(D)  
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(D)  
  
(D)  
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(D)

Mileage charges are shown with each channel type. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, then multiply the resulting number of miles times the Channel Mileage Facility per mile rate, and add the Channel Mileage Termination rate for each termination. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. When more than one Telephone Company is involved in the provision of service, billing will be accomplished as set forth in 2.4.7 preceding.

**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.2 Rate Regulations (Continued)

7.2.5 Mileage Measurement (Continued)

When hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage.

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7.2.6 Central Office Hubs

A customer has the option of ordering High Capacity services (i.e., DS1, DS3 or OCN) to a Central Office Hub for channelizing to individual services requiring lower capacity facilities.

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**ACCESS SERVICE**

7. **SPECIAL ACCESS SERVICE** (Continued)

7.2 Rate Regulations (Continued)

7.2.6 Central Office Hubs (Continued)

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Some of the types of multiplexing available include the following:

- from higher to lower bit rate

(D)

(D)

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.

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(D)

The Telephone Company will commence billing the monthly rate for the service to the Central Office Hub on the date confirmed to the customer on the FOC for the Access Order. Individual channels utilizing these services may be installed coincident with the installation of the service to the Central Office 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 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.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.7 Mixed Use Analog and Digital High Capacity Services

Mixed use refers to a rate application applicable only when the customer orders High Capacity Special Access facilities between a customer designated premises and a Telephone Company Central Office Hub where the Telephone Company performs multiplexing functions and the same customer then orders the derived channels as Special and Switched Access Services.

When Special Access Service is provided utilizing a channel of the mixed use facility to a hub, applicable switched and special access rates and charges will apply for the facility to the hub, as set forth preceding. The rates and charges that will apply to the mixed use portion from the hub to the customer designated premises will be dependent on the specific type of Access Service that is ordered by the customer for this segment. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

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(T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.7 Mixed Use Analog and Digital High Capacity Services (Cont'd)

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(D)

The customer must place an order for each individual Switched or Special Access Service utilizing the Mixed Use Facilities and specify the channel assignment for each such service.

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.8 High Capacity Optional Rate Plan

APPROVED

(N)

The High Capacity Optional Rate Plan offers a Term Discount. The Term Discount plan applies to Special Access DS1, DS3, and OCN High Capacity Service Channel Termination, Channel Mileage Facility and Channel Mileage Termination monthly rates, as set forth following. The amount of the discount differs based on the length of the service commitment period selected by the customer. The Term Discounts for High Capacity Services are as set forth in Section 15.4.4, following.

The minimum service period on a monthly rate basis is one (1) month for DS1 service and twelve (12) months for DS3 and OCN Service.

(1) Term Discounts

DS1, DS3, and OCN High Capacity Special Access Service may be ordered at the customer's option on a monthly rate basis or for Term Discount periods of 36 months (3 years) or 60 months (5 years). The customer must specify the length of the service commitment period at the time the service is ordered.

For customers that subscribe to the Term Discount plan for 36 or 60 months, the Term Discount rates as set forth in Section 15.4.4 and 15.4.5, following, will apply.

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.

(N)

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

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7.2.8 High Capacity Optional Rate Plan (Cont'd)

(1) Term Discounts

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.

(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 service is upgraded. A new minimum service period applies to all High Capacity Service that is upgraded.

(b) 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 as provided for in Section 2.4.2 (C).

(N)

(N)

**ACCESS SERVICE**

(D)

7. **SPECIAL ACCESS SERVICE** (Continued)

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Vice President - Marketing  
TDS METROCOM, LLC  
525 Junction Road, Suite 6000  
Madison Wisconsin 53717