

## ACCESS SERVICE

6. Switched Access Service (Cont'd)

(S)(X)

6.3 Common Switching and Transport Termination Nonchargeable  
Optional Features (Cont'd)(A) Operator Trunk-Coin, Non-Coin, or Combined  
Coin and Non-Coin (Cont'd)

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

## Non-Coin:

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

(S)(X)  
(T)(Y)  
(S)(X)

This arrangement is normally ordered by the IC in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the IC's operator services systems, rather than in the IC's manual cord boards. When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is

(S)(X)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.3 Common Switching and Transport Termination Nonchargeable  
Optional Features (Cont'd)6.3.2 Transport Termination Optional Features (Cont'd)

## (A) Non-Coin (Cont'd)

required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the IC and the Telephone Company.

6.4 Transmission Performance Capabilities

Each Switched Access Service transmission path is provided with a standard transmission performance. There are two different standard performances (Type B and C).

All service configurations will conform to the transmission performance standards contained in this tariff. The performance levels contained in the Section are immediate action limits. Acceptance and Maintenance limits are set forth in Technical Reference PUB 62500.

6.4.1 Standard Transmission Performance

Following are descriptions of the two Standard Transmission Performances available with Switched Access Service. Their specific applications in terms of the Feature Groups and Interface Groups with which it is provided are set forth in 6.2.1(C) preceding.

(C) \*

\* Pursuant to waiver granted in Annual 1988 Access Tariff Filing, Petitions for Waiver, released September 3, 1987, at para. 33.

## ACCESS SERVICE

6. Switched Access Service (Cont'd) (M)6.4 Transmission Performance Capabilities (Cont'd)6.4.1 Standard Transmission Performance (Cont'd) (M)(A) Transmission Performance Type B (T)

Transmission Performance Type B is provided (T)  
with the following parameters:

(M)

(1) Loss Deviation

The maximum Loss Deviation of the 1004  
Hz loss relative to the Expected  
Measured Loss (EML) is + or - 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in  
the 404 and 2804 Hz frequency band  
relative to loss at 1004 Hz is -2.0  
dB to +4.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the  
transmission path at the route miles  
listed is less than or equal to: (M)

<u>Route Miles</u>	<u>C-Message Noise</u>	(C)
	Type B2	
less than 50	35 dBrnC0	
51 to 100	37 dBrnC0	
101 to 200	40 dBrnC0	
201 to 400	43 dBrnC0	
401 to 1000	45 dBrnC0	(C)

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and 218.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.4 Transmission Performance Capabilities (Cont'd)6.4.1 Standard Transmission Performance (Cont'd)(A) Transmission Performance Type B (Cont'd)(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone is less than or equal to 47 dBrnC0

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss for FGD, is expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), and is dependent on the routing, i.e., whether the service is routed directly from the IC Point of Interface (POI) to the end office or via an access tandem. The ERL and SRL also differ by type of termination, and type of transmission path. They are greater than or equal to the following:

(C)

	<u>Echo</u> <u>Return Loss</u>	<u>Singing</u> <u>Return Loss</u>
POI to Access Tandem		
-Terminated in 4-wire trunk	21 dB	14 dB
-Terminated in 2-wire trunk	16 dB	11 dB

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.4 Transmission Performance Capabilities (Cont'd)6.4.1 Standard Transmission Performance (Cont'd)(A) Transmission Performance Type B (Cont'd)(5) Echo Control (Cont'd)

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>	
POI to End Office			
-Direct	16 dB	11 dB	
-Via Access Tandem			
.For FGD access			(C)
(Effective 4-wire transmission path at end office)	16 dB	11 dB	
.For FGD access			(C)
(Effective 2-wire transmission path at end office)	13 dB	6 dB	

(6) Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of interface shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

(B) Transmission Performance Type C

Transmission Performance type C is provided with the following parameters:

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## ACCESS SERVICE

6. Switched Access Service (Cont'd) (M)6.4 Transmission Performance Capabilities (Cont'd)6.4.1 Standard Transmission Performance (Cont'd) (M)(B) Transmission Performance Type C (T)(1) Loss Deviation (M)

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is + or - 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission at the route miles listed is less than or equal to:

		<u>C-Message Noise</u>	
		(M)	
<u>Route Miles</u>	<u>Type C2</u>		
less than 50	38 dBrnCO	(C)	
51 to 100	39 dBrnCO		
101 to 200	41 dBrnCO		
201 to 400	43 dBrnCO		
401 to 1000	45 dBrnCO	(C)	

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)

(S)(X)

6.4 Transmission Performance Capabilities (Cont'd)6.4.1 Standard Transmission Performance (Cont'd)(B) Transmission Performance Type C(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a  
- 16 dBmO holding tone is less than or  
equal to 47 dBrnC0.

(5) Echo Control

Echo Control, identified as Return Loss  
and expressed as Echo Return Loss and  
Singing Return Loss is dependent on the  
routing, i.e., whether the service is  
routed directly from the IC Point of  
Interface (POI) to the end office or via  
a access tandem. It is equal to or  
greater than the following:

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>	
POI to Access Tandem	13 dB	6 dB	
POI to End Office			
-Direct	13 dB	6 dB	(S)(X)

Certain material previously found on this page can now be found on  
Page 117.3.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Performance Capabilities (Cont'd)

6.4.1 Standard Transmission Performance (Cont'd)

(D)

(D)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Performance Capabilities (Cont'd)

6.4.1 Standard Transmission Performance (Cont'd)

(D)

(D)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Performance Capabilities (Cont'd)

6.4.1 Standard Transmission Performance (Cont'd)

(D)

(D)

6.4.2 Data Transmission Parameters

Data Transmission Parameters, Type DB, is provided.

(A) Data Transmission Parameters Type DB

(1) Signal to C-Notched Noise Ratio

The signal to C-Notched Noise Ratio is  
equal to or greater than 30 dB.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd) (M)6.4 Transmission Performance Capabilities (Cont'd)6.4.2 Data Transmission Parameters (Cont'd) (M)(A) Data Transmission Parameters Type DB (Cont'd) (T)(2) Envelope Delay Distortion (M)

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:  
604 to 2804 Hz  
less than 50 route miles 800 microseconds  
equal to or greater than 50 route miles 1000 microseconds

1004 to 2404 Hz  
less than 50 route miles 320 microseconds  
equal to or greater than 50 route miles 500 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnC0 threshold in 15 minutes is not more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order	(R2)	31 dB	
Third Order	(R3)	34 dB	(M)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd) (M)6.4 Transmission Performance Capabilities (Cont'd)6.4.2 Data Transmission Parameters (Cont'd) (M)(A) Data Transmission Parameters Type DB (Cont'd) (T)(5) Phase Jitter (M)

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7 degrees peak to peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

6.5 Obligations of the Telephone Company

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

6.5.1 Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. In cases where the Telephone Company must apply protective controls to assure acceptable service levels, and the protective controls cause service provided to an IC to be completely cut off, outage credits will be applied to the IC's account. (M)  
(T)  
(T)

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6. Switched Access Service (Cont'd) (M)6.5 Obligations of the Telephone Company (Cont'd)6.5.2 Design and Traffic Routing of Switched Access Service (M)

The Telephone Company will work cooperatively with IC's to develop routing and other local transport arrangements. The Telephone Company shall decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups unless the IC orders the optional feature IC Specification of Feature Group Directionality. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment. Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment and the Telephone Company traffic routing plans. (T)

6.5.3 Provision of Service Performance Data (M)

With the agreement of the Telephone Company, service performance data other than that provided with the services offered in this tariff may be made available to the IC, based on previously arranged intervals and format. These data may include, but are not limited to, IC equipment blockage, failure results and transmission performance. If the data is to be provided in other than paper format, the cost of such exchange will be determined on an individual case basis. (T)  
(M)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Obligations of the Telephone Company (Cont'd)6.5.4 Trunk Group Measurement Reports

Trunk group data in the form of usage in CCS, peg count overflow, will be made available to the customer based on previously agreed to intervals subject to availability.

6.5.5 Determination of Number of Transmission Paths

For Feature Groups A and B, which are ordered on a per line or per trunk basis respectfully, the customer specifies the number of transmission paths between the customer's premises and the first point of switching in the order for service. The number of transmission paths between the first point of switching and the Telephone Company's end office is determined by the Telephone Company.

The Telephone Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access busy hour minutes of capacity ordered. A transmission path is a communication path within the frequency bandwidth of approximately 300 to 3000 Hz or a derived communication path of a frequency bandwidth of approximately 300 Hz to 3000 Hz provided over a high frequency analog facility or a high speed digital facility between a customer, end user or Telephone Company location and another customer, end user or Telephone Company location. The number of transmission paths will be developed using the total busy hour minutes of capacity for the end offices for Feature Group D ordered from a Customer Premises. The total busy hour minutes of capacity for the Feature Group end office will be converted to transmission paths using standard Telephone Company traffic engineering methods. The number of transmission paths provided shall be the number required based on (1) the use of access tandem switches and end office switches, (2) the use of end office switches only, or (3) the use of tandem switches only. (C)

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Obligations of the Telephone Company (Cont'd)6.5.6 Determination of Number of End Office Transport Terminations

A termination will be provided for each transmission path provided.

6.5.7 Design Blocking Probability

The Telephone Company will design the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as follows:

- (A) For Feature Group D, the design blocking objective will be no greater than one percent (.01) between the point of interface at the Customer Premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (B) The Telephone company will perform routine measurement functions to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional busy hour minutes of capacity be ordered by the IC when additional paths are required to reduce the measured blocking to the designed blocking level. For the busy hour minutes of capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.
- (C)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)

(S)(X)

6.5 Obligations of the Telephone Company (Cont'd)6.5.7 Design Blocking Probability (Cont'd)

- (1) For transmission paths carrying only first routed traffic direct between an end office and a Customer Premises without an (T)(Y)

(S)(X)

(S)(X)

alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follow:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds In the Time Consistent Busy Hour for the Number of Average Business Day Measurement Per Trunk Group			
	<u>15-20 Measurements</u>	<u>11-14 Measurements</u>	<u>7-10 Measurements</u>	<u>3-6 Measurements</u>
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7-or more	.030	.035	.040	.060

- (2) For transmission paths carrying first routed traffic between an end offices and a Customer Premises via an access tandem, the measured blocking thresholds are as follows:

(S)(X)  
(T)(Y)  
(T)(Y)  
(S)(X)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Obligations of the Telephone Company (Cont'd)6.5.7 Design Blocking Probability (Cont'd)

(2) (Cont'd)

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consideration Busy Hour for the Number of Average Business Day Measurements Per Trunk Group			
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	.045	.055	.060	.095
3	.035	.040	.045	.060
4	.035	.040	.045	.055
5-6	.025	.035	.040	.045
7 or more	.020	.025	.030	.040

(C) For Feature Groups A and B no design blocking criteria apply. (N) \*

(N) \*

6.6 Obligations of the IC

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

6.6.1 Report Requirements

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

\* Pursuant to waiver granted in Annual 1988 Access Tariff Filing, Petitions for Waiver, released September 3, 1987, at para. 33.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd) (M)6.6 Obligations of the IC (Cont'd)6.6.1 Report Requirements (Cont'd)(A) Jurisdictional Reports (M)

When an IC orders Switched Access Service (T)  
for both interstate and intrastate use, the (M)  
percentage of interstate and intrastate  
traffic will be developed as set forth in

(M)

2.3.10 preceding. Charges will be (T)  
apportioned in accordance with those (M)  
reports. The method to be used for  
determining the interstate charges is set

(M)

forth in 2.3.11 preceding. (T)

(B) Code Screening Reports (T)

When an IC orders service class routing, (T)  
trunk access limitation or call gapping (M)  
arrangements, it must report the number of  
trunks and/or the appropriate codes to be  
instituted in each of the arrangements  
ordered. (M)

6.6.2 Supervisory Signaling (M)

The customer's facilities shall provide the  
necessary on-hook, and off-hook, answer and  
disconnect supervision. (M)

6.6.3 Trunk Group Measurement Reports (T)

With the agreement of the IC, trunk group data in (M)  
the form of usage in CCs, peg count and overflow  
for its end of all access trunk groups, where  
technologically feasible, will be made available  
to the Telephone Company. (M)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd) (M)6.6 Obligation of the IC (Cont'd)6.6.3 Trunk Group Measurement Reports

These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.7 Rate Regulations (M)

(D)

6.7.1 Description and Application of Rates and Charges (M)

There are three types of rates and charges that apply to Switched Access Service. These are monthly recurring rates, usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements.

(A) Monthly Rates

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

(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis. Access Minute charges are accumulated over a monthly period.

(M)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)

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

(C) Nonrecurring Charges(1) Installation of Service

Installation and moves of Switched  
Access Service are available at no  
charge.

(2) Installation of Optional Features

Installation of the various optional  
features available with Switched Access  
Service are available at no charge.

(D) Application of Rates (S)(X)

Rates are applied to measured access minutes. (C)(Y)

The specific application of these rates for (S)(X)  
a specific customer is dependent upon the (S)(X)  
Feature Group and whether the end office is (C)(Y)  
converted to equal access. (C)(Y)

The following rules provide the basis for (S)(X)  
applying the rates and charges:

(S)(X)

(D)(Y)

(D)(Y)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates (Cont'd)

- |   |            |
|---|------------|
| (1) Premium rates apply to all FGD access minutes.  | (C)<br>(C) |
| (2) Premium rates apply to all FGA and FGB access minutes originating or terminating in the Company's end office. | (C)<br>(C) |

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates (Cont'd)

(D)

(D)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates (Cont'd)

(D)

(D)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

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

(D) Application of Rates (Cont'd)

(D)

6.7.2 Minimum Periods

(D)

Switched Access Service is provided for a  
minimum period of one month.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.3 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 (i.e., recorded) by the Telephone Company to determine the basis for computing chargeable access minutes. For terminating calls over FGA, FGB, FGD to 800 series, and for (T) originating calls over FGA (when the off-hook supervisory signal is provided by the customer's equipment before the called party answers), and FGB, the measured minutes are the chargeable access minutes. For originating calls over FGA (when the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers), and FGD, chargeable originating access minutes are derived from recorded minutes in the following manner:

Step 1: Obtain recorded originating minutes and messages (measured as set forth in (A) and (C) following for FGA, when the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers and for FGD 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 (T) 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.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)  
(M)6.7 Rate Regulations (Cont'd)  
(M)6.7.3 Measuring Access Minutes (Cont'd) (T)

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 incompletd attempts. (M)

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 incompletd 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 equal 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. (M)

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Effective: 10/1/85

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.3 Measuring Access Minutes (Cont'd)

Where: Measured Minutes (M. Min.) = 7,000  
 Measured Messages (M. Mes.) = 1,000  
 Completion Ratio (CR) = .75  
 NCTA per Attempt = .4

$$(1) \text{ Total Attempts} = \frac{1,000(\text{M. Mes.})}{.75 (\text{CR})} = 1,333.33$$

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

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

When assumed minutes are used, the assumed minutes are the chargeable access minutes.

(A) Feature Group A Usage Measurement

(N) \*

For originating calls over FGA, usage measurement begins when the originating FGA entry switch receives an off-hook supervisory signal forwarded from the customer's point of termination. This off-hook signal may be provided by the customer's equipment before the called party answers, or forwarded by the customer's equipment when the called party answers.

The measurement of originating call usage over FGA ends when the originating FGA entry

(N) \*

\* Pursuant to waiver granted in Annual 1988 Access Tariff Filing, Petitions for Waiver, released September 3, 1987, at para. 33.

Certain regulations previously found on this page can now be found on Original page 130.4

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.3 Measuring Access Minutes (Cont'd)(A) Feature Group A Usage Measurement (Cont'd)

(N) \*

switch receives an on-hook supervisory signal 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 entry switch.

For terminating calls over FGA, usage measurement begins when the terminating FGA entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGA ends when the terminating FGA entry switch receives an on-hook supervisory signal 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 entry switch.

(N) \*

\* Pursuant to waiver granted in Annual 1988 Access Tariff Filing, Petitions for Waiver, released September 3, 1987, at para. 33.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.3 Measuring Access Minutes (Cont'd)(B) Feature Group B Usage Measurement

(N) \*

For originating calls over FGB, usage measurement begins when the originating FGB entry switch receives answer supervision forwarded from the customer's point of termination, indicating the customer's equipment has answered.

The measurement of originating call usage over FGB ends when the originating FGB entry switch 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 entry switch.

For terminating calls over FGB, usage measurement begins when the terminating FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage FGB ends when the terminating FGB entry switch 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 entry switch.

(N) \*

\* Pursuant to waiver granted in Annual 1988 Access Tariff Filing, Petitions for Waiver, released September 3, 1987, at para. 33.

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.3 Measuring Access Minutes (Cont'd)(C) Feature Group D Usage Measurement (C)

For originating calls over FGD, usage (C)  
measurement begins when the originating FGD (C)  
entry switch receives answer supervision  
from the customer's point of termination,  
indicating the called party has answered.

(C) The measurement of originating call usage  
over FGD ends when the originating FGD entry

switch 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 entry switch.

For terminating calls over FGD the chargeable(C)  
access minutes are either measures or derived.

For terminating calls over FGD 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 office. 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. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

(D)

(D)

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