

ACCESS SERVICE

CHECK SHEET

Title Page 1 and Pages 1 to 23-8 inclusive of this tariff, including Supplement No. 1, are effective as of the date shown. Original and revised pages, as named below are in effect on the date indicated.

<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>
Title 1	Original	21	Original	2-1	Original
		22	Original	2-2	Original
1	8th *	23	Original	2-3	Original
2	Original	24	Original	2-4	Original
3	1st	25	Original	2-5	Original
4	1st *	26	Original	2-6	Original
5	2nd *	27	Original	2-7	Original
6	Original	28	Original	2-8	Original
7	4th *	29	Original	2-9	Original
8	Original	30	Original	2-10	Original
9	Original	31	Original	2-11	Original
10	1st	32	Original	2-12	Original
11	1st	33	Original	2-13	Original
12	Original	34	Original	2-14	Original
13	Original	35	Original	2-15	Original
14	Original	36	Original	2-16	Original
15	Original	37	Original	2-17	Original
16	Original	38	Original	2-18	Original
17	Original	39	Original	2-19	Original
18	Original	40	Original	2-20	Original
19	Original	41	Original	2-21	Original
20	Original	42	Original	2-22	Original
				2-23	Original
		1-1	Original	2-24	Original
				2-25	Original
				2-26	Original
				2-27	1st *
				2-28	Original
				2-29	1st *
				2-29.1	Original *
				2-29.2	Original *
				2-29.3	Original *
				2-29.4	Original *
				2-29.5	Original *
				2-29.6	Original *
				2-29.7	Original *
				2-29.8	Original *
				2-29.9	Original *
				2-29.10	Original *

*New or Revised Page

Issued: May 25, 2017

Effective: June 10, 2017

(This page-filed under Transmittal No. 73)
Vice President, Regulatory Affairs
401 Merritt 7, Norwalk, CT 06851

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>
6-31	Original	6-61	Original	6-91	Original
6-32	Original	6-62	Original	6-92	Original
6-33	Original	6-63	Original	6-93	Original
6-34	Original	6-64	Original	6-94	Original
6-35	Original	6-65	Original	6-95	Original
6-36	Original	6-66	Original	6-96	Original
6-37	Original	6-67	Original	6-97	Original
6-38	Original	6-68	Original	6-98	1st *
6-39	Original	6-69	Original	6-99	Original
6-40	Original	6-70	Original	6-100	Original
6-41	Original	6-71	Original	6-101	Original
6-42	Original	6-72	Original	6-102	Original
6-43	Original	6-73	Original	6-103	Original
6-44	Original	6-74	Original	6-104	Original
6-45	Original	6-75	Original	6-105	Original
6-46	Original	6-76	Original	6-106	Original
6-47	Original	6-77	Original	6-107	Original
6-48	Original	6-78	Original	6-108	Original
6-49	Original	6-79	Original	6-109	Original
6-50	Original	6-80	Original	6-110	Original
6-51	Original	6-81	Original	6-111	Original
6-52	Original	6-82	Original	6-112	Original
6-53	Original	6-83	Original	6-113	Original
6-54	Original	6-84	Original	6-114	Original
6-55	Original	6-85	Original	6-115	Original
6-56	Original	6-86	Original	6-116	Original
6-57	Original	6-87	Original	6-117	Original
6-58	Original	6-88	Original	6-118	Original
6-59	Original	6-89	Original	6-119	Original
6-60	Original	6-90	Original	6-120	Original

*New or Revised Page

 Issued: May 25, 2017

 (This page-filed under Transmittal No. 73)
 Vice President, Regulatory Affairs
 401 Merritt 7, Norwalk, CT 06851

Effective: June 10, 2017

ACCESS SERVICE

CHECK SHEET (Cont'd)

<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>	<u>Page</u>	<u>Number of Revision Except As Indicated</u>
6-121	Original	6-151	Original	7-1	Original
6-122	Original	6-152	Original	7-2	Original
6-123	Original	6-153	Original	7-3	Original
6-124	Original	6-154	Original	7-4	Original
6-125	Original	6-155	Original	7-5	Original
6-126	Original	6-156	Original	7-6	Original
6-127	Original	6-157	Original	7-7	Original
6-128	Original	6-158	Original	7-8	Original
6-129	Original			7-9	Original
6-130	Original			7-10	Original
6-131	Original			7-11	Original
6-132	Original			7-12	Original
6-133	Original			7-13	Original
6-134	Original			7-14	Original
6-135	1st			7-15	Original
6-136	Original			7-16	Original
6-137	Original			7-17	Original
6-138	1st *			7-18	Original
6-139	1st *			7-19	Original
6-140	1st			7-20	Original
6-141	Original			7-21	Original
6-142	Original			7-22	Original
6-143	Original			7-23	Original
6-144	Original			7-24	Original
6-145	Original			7-25	Original
6-146	1st			7-26	Original
6-147	Original			7-27	Original
6-148	Original			7-28	Original
6-149	1st *			7-29	Original
6-150	1st *			7-30	Original

*New or Revised Page

Issued: May 25, 2017

(This page-filed under Transmittal No. 73)
 Vice President, Regulatory Affairs
 401 Merritt 7, Norwalk, CT 06851

Effective: June 10, 2017

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)

(2) (Cont'd)

- (d) When Terminating Tandem Switched Transport is provided through a Frontier Telephone ILEC access Tandem and the Terminating End Office is not owned by a Frontier Telephone ILEC Company or through an ILEC Access Tandem not owned by a Frontier Telephone ILEC Company and the Terminating End Office is owned by a Frontier Telephone ILEC Company, Terminating – Tandem 3rd Party rates are applicable, otherwise Terminating – Tandem End Office rates are applicable. When originating Tandem Switched Transport is provided, Originating rates are applicable. (N)
- (e) All other appropriate recurring and nonrecurring charges in each Telephone Company's access tariff are applicable. The Nonrecurring Charges for Switched Access, as set forth in 6.5.4, apply in full. (T)
- (3) For Special Access Services and Switched Access Direct-Trunked Transport, the Telephone Company will determine the applicable charges as follows:
- (a) Determine the distance in airline miles using the V&H method set forth in National Exchange Carrier Association Tariff No. 4 between the locations involved; i.e., the serving wire center associated with a customer designated premise and an end office, or a Telephone Company hub, or two Telephone Company hubs, a hub to an end office, or a hub to a Telephone Company access tandem.
- (b) The airline distance in miles developed in (a) preceding will be multiplied by the Special Access Circuit Mileage-Per Mile or Switched Access Direct-Trunked Transport Mileage rate element times the billing percentage to determine the appropriate charges. The billing percentage is that portion of circuit mileage to be billed by each company involved in providing Access Services to the customer. Billing percentages are listed in National Exchange Carrier Association Tariff FCC No. 4.

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)

- (4) The Interconnection Charge for Switched Transport shall be billed by the Telephone Company in whose territory the end office is located.
- (5) The shared trunk port for Tandem-Switched Transport shall be billed by the Telephone Company in whose territory the end office is located.
- (6) For tandem routed trunks, the dedicated trunk port shall be billed by the Telephone Company owning the tandem. For end office direct routed trunks, the dedicated trunk port shall be billed by the Telephone Company owning the end office on a single bill, single tariff or multiple bill, multiple tariff meet point billing arrangement.
- (7) The shared multiplexing charge will be assessed to the interexchange carrier by the Telephone Company owning the access tandem under the multiple bill, multiple tariff meet point billing option, and to the initial billing company, by the Telephone Company owning the access tandem, under the single bill, single tariff meet point billing option.

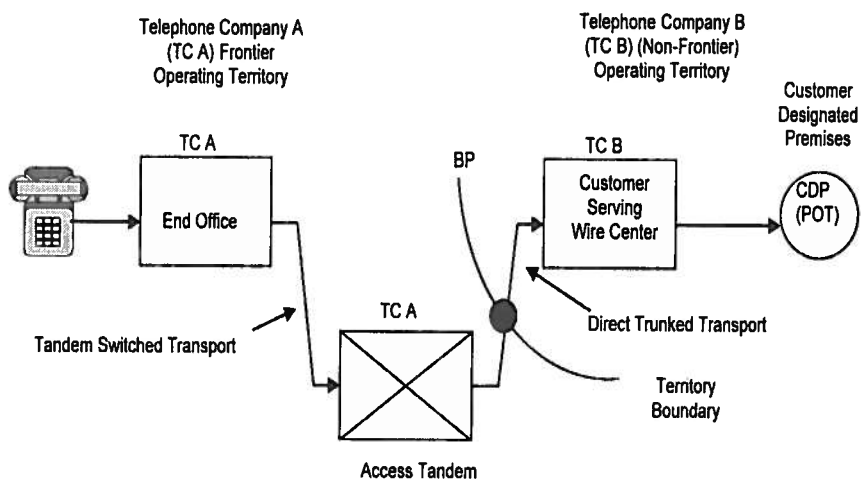
(8) Example 1: Originating Switched Access
(See Diagram 1)

- Feature Group D Switched Access is ordered to End Office.
- Originating End Office and Access Tandem are in the operating territory of a Telephone Company (TC-A).
- Customer Designated Premises is in the operating territory of a Telephone Company (TC-B)
- Assumptions:
 - TC-A Direct Trunk Transport BP = 40%
 - TC-B Direct Trunk Transport BP = 60%
 - Direct Trunked Transport mileage = 26 mi.
 - Tandem Switched Transport mileage = 23 mi.

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(8) Example 1: Originating Switched Access (Cont'd)
(See Diagram 1)- Diagram 1

(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)

(N)

2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(8) Example 1: Originating Switched Access (Cont'd)

(See Diagram 1)

- Telephone Company A charges are:
 - End Office charges = 9,000 min. x EO rate
 - Tandem Switched Transport Facility charge = 9,000 min. x 23 mi. x TSF rate
 - Tandem Switched Transport Termination charge = 2 terminations x 9,000 min. x TST rate
 - Tandem Switching Rate = 9,000 min. x TS rate
 - Direct Trunked Facility charge = 26 mi. x DTF rate x 40%
 - Direct Trunked Termination charge = 1 termination x DTT rate
 - Shared Multiplexing charge = 9,000 min. x SM rate

Example 2: Terminating Switched Access – Tandem 3rd Party

(See Diagram 2A and 2B)

- Feature Group D Switched Access is ordered to End Office.
- Terminating Access Tandem is owned by Frontier Telephone ILEC Companies (TC-A) and End Office is owned by a non-Frontier Telephone Company (TC -B).
- Assumptions:
 - *TC-A Direct Trunk Transport BP = 40%
 - *TC-B Direct Trunk Transport BP = 60%
 - Direct Trunk Transport mileage = 26 mi.
 - TC-A Tandem Switched Transport BP = 20%
 - TC-B Tandem Switched Transport BP = 80%
 - Tandem Switched Transport mileage = 23 mi.

(N)

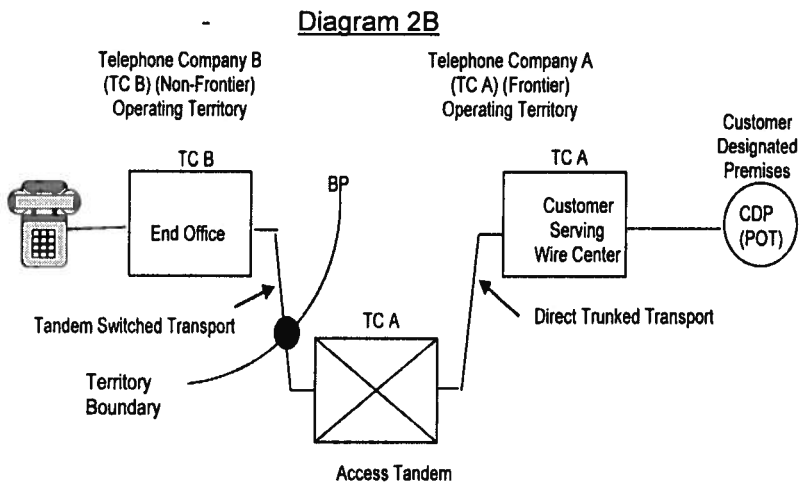
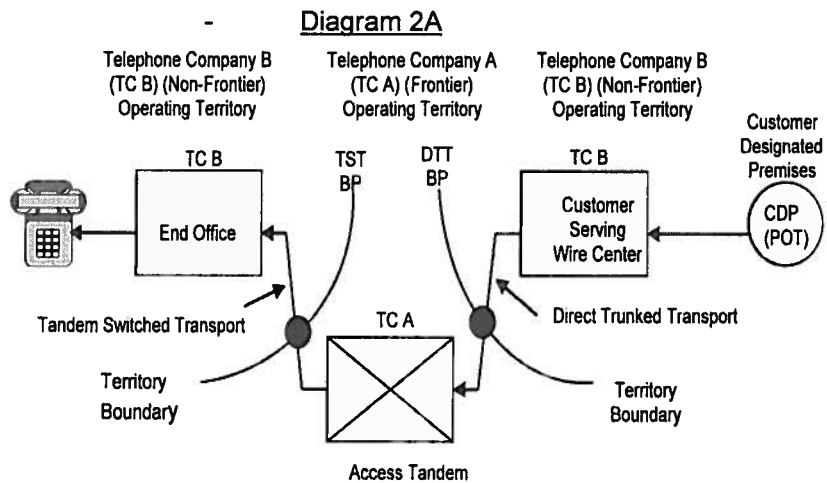
*Where applicable see Diagram 2A

Issued: May 25, 2017

Effective: June 10, 2017

(This page filed under Transmittal No. 73)
Vice President, Government and Regulatory Affairs
180 S. Clinton Ave., Rochester, NY 14646

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(8) Example 2: Terminating Switched Access – Tandem 3rd Party (Cont'd)
(See Diagram 2A and 2B)

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)

(N)

2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(8) Example 2: Terminating Switched Access – Tandem 3rd Party (Cont'd)
(See Diagram 2A and 2B)

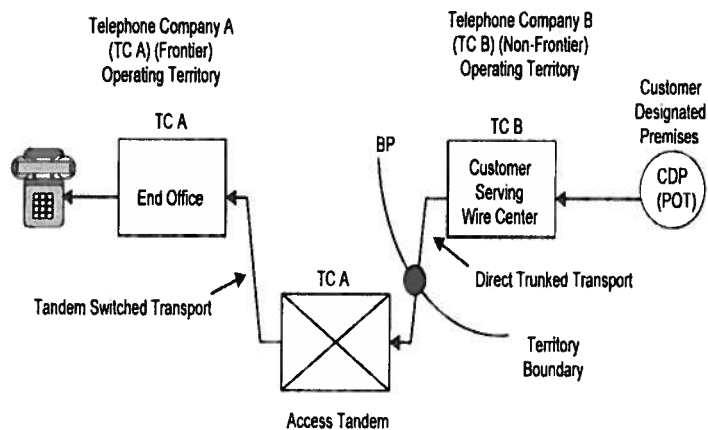
- Telephone Company A charges are:
 - Tandem Switched Transport Facility-3rd Party charge = 9,000 min. x 23 mi. x TSF-3rd Party rate x 20%
 - Tandem Switched Transport Termination-3rd Party charge = 1 termination x 9,000 min. x TST – 3rd Party rate
 - Tandem Switching-3rd Party Rate = 9,000 min. x TS-3rd Party rate
 - Direct Trunked Facility charge
2A = 26 miles. x DTF rate x 40%
2B = 26 miles. x DTF rate
 - Direct Trunked Termination charge
2A = 1 termination x DTT rate
2B = 2 termination x DTT rate
 - Shared Multiplexing 3rd Party Charge = 9,000 min. x SM-3rd Party rate

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(8) Example 3: Terminating Switched Access - Tandem End Office
(See Diagram 3)

- Feature Group D Switched Access is ordered to End Office.
- Terminating End Office and Access Tandem are both owned by Frontier Telephone ILEC Companies (TC-A).
- Assumptions:
 - TC-A Direct Trunk Transport BP = 40%
 - TC-B Direct Trunk Transport BP = 60%
 - Direct Trunk Transport mileage = 26 mi.
 - Tandem Switched Transport mileage = 23 mi.
- Diagram 3



ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(8) Example 3 –Terminating Switched Access Tandem End Office (Cont'd)
(See Diagram 3)

- Telephone Company A charges are:
 - End Office Charges = 9,000 min. x EO rate
 - Tandem Switched Facility – End Office charge
= 9,000 min. x 23 mi. x TSF-End Office rate.
 - Tandem Switched Transport Termination –End Office charge
= 2 terminations x 9,000 min. x TST-End Office rate.
 - Tandem Switching – End Office charge
= 9,000 min. x TS-End Office rate
 - Direct Trunked Facility Charge
= 26 miles x DTF rate x 40%
 - Direct Trunked Termination charge
= 1 termination x DTT rate
 - Shared Multiplexing charge
= 9,000 min. x SM-End Office rate

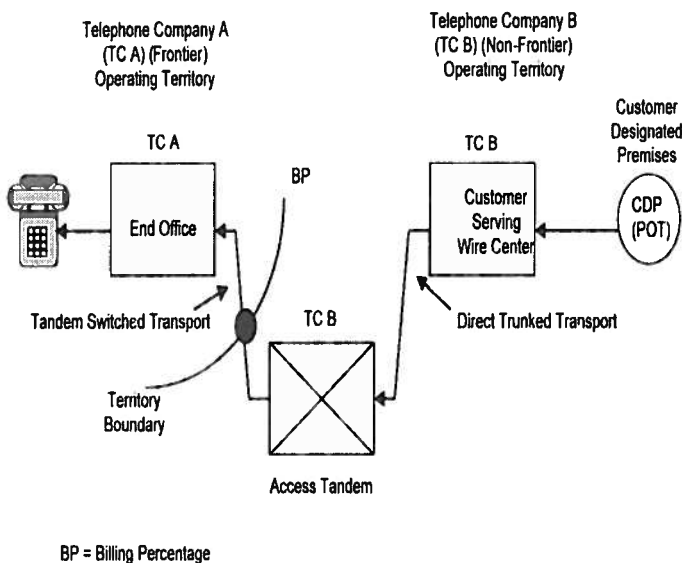
(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(8) Example 4: Terminating Switched Access-Tandem 3rd Party
(See Diagram 4)

- Feature Group D Switched Access is ordered to End Office.
- End Office is owned by Frontier Telephone Company (TC-A).
- Access Tandem is owned by a non-Frontier Telephone ILEC Company (TC-B).
- Diagram 4



ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(8) Example 4: Terminating Switched Access-Tandem 3rd Party (Cont'd)
(See Diagram 4)

- Telephone Company A charges are:
 - End Office charges = 9,000 min x EO rate
 - Tandem Switched Facility -3rd Party charge
= 9,000 min. x 23 mi. x TSF-3rd Party rate x 80%
 - Tandem Switched Termination -3rd party charge
= 1 termination x 9,000 min. x TST-3rd Party rate

(N)

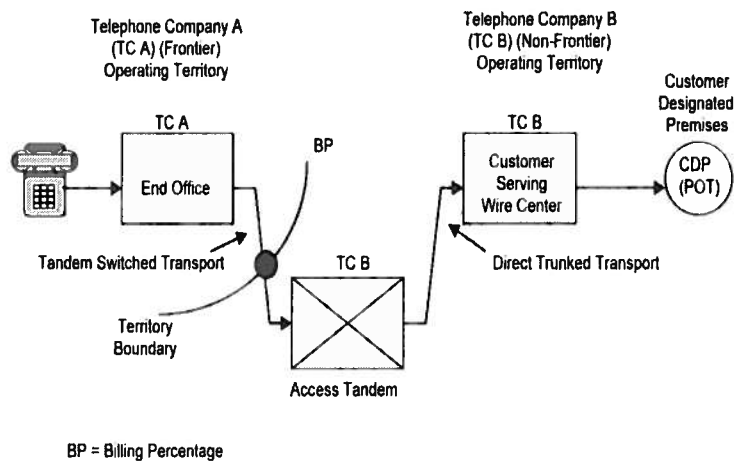
(N)

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements (Cont'd)2.4.7 Access Services Provided by More Than One Telephone Company (Cont'd)(B) Multiple Company Billing (Cont'd)(8) Example 5: Originating Switched Access - Frontier Telephone ILEC Company owns only the End Office.

(See Diagram 5)

- Feature Group D Switched Access is ordered to End Office.
- End Office is owned by Frontier Telephone Companies (TC-A).
- Access Tandem is owned by a non-Frontier Telephone ILEC Company (TC-B)
- Assumptions:
 - Direct Trunk Transport mileage = 26 mi.
 - TC-A Tandem Switched Transport BP = 80%
 - TC-B Tandem Switched Transport BP = 20%
 - Tandem Switched Transport mileage = 23 mi.
- Diagram 5



(N)

(N)

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements (Cont'd)

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

(B) Multiple Company Billing (Cont'd)

(8) Example 5: Originating Switched Access - Frontier Telephone ILEC Company owns only the End Office. (Cont'd)

(See Diagram 5)

- Telephone Company A charges are:
 - End Office charges = 9,000 min. x EO rate
 - Tandem Switched Transport Facility charge = 9,000 min. x 23 mi. x TSF rate x 80%.
 - Tandem Switched Transport Termination charge = 1 termination x 9,000 min. x TST rate.

(N)

(N)

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Rate Categories, Applications, and Regulations (Cont'd)6.5.2 Local Transport (Cont'd)(D) Tandem-Switched Transport

The Tandem-Switched Transport Rate is assessed upon customers for the use of transport between a serving wire center and an end office that is switched at a Telephone Company access tandem. The Tandem-Switched Transport Rate may also be assessed for transport between a Telephone Company access tandem and end office, between a host end office and a remote end office and between a FGA or BSA-A dialtone office and other end offices in the local calling area. Tandem-Switched transport consists of circuits used in common by multiple customers from the Telephone Company access tandem to an end office. For examples of Tandem Switched Transport see Section 2.4.7 preceding. The Tandem-Switched Transport Rate includes four subelements, a Tandem-Switched Transport - Facility, a Tandem-Switched Transport - Termination, Tandem Switching Rate, and Shared Multiplexing Rate. The Tandem-Switching Rate is not applicable for transport between a host end office and a remote end office or to FGA or BSA-A Transport.

(C)
(C)

- (1) The Tandem-Switched Transport - Facility rate is applied per access minute per airline mile for each Switched Access Feature Group and Basic Serving Arrangement type. Tandem-Switched Transport-Facility airline mileage will be determined as follows:

Where Direct-Trunked Transport is ordered between a serving wire center and a Telephone Company access tandem, and Tandem-Switched Transport is ordered to subtending end offices, mileage will be measured from the Telephone Company access tandem to the end office or WSO (for WATS and WATS-type).

When the end office is acting as a host office, a separate mileage calculation determines the mileage from the host office to the remote office. Traffic originating from and/or terminating to the remote will be billed Tandem-Switched Transport charges. The Tandem Switching charge does not apply to traffic between a host and remote office.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Switched Access Rates and Charges (Cont'd)

6.6.1 California (Cont'd)

(I) Dedicated Trunk Port

End Office Dedicated
 Trunk Port-Voicegrade
Monthly Rate, Per Channel *

\$12.50

End Office Dedicated
 Trunk Port - DS1
Monthly Rate, Per Channel *

\$12.50

Access Tandem Dedicated
 Trunk Port - Voicegrade
Monthly Rate, Per Channel

\$12.50

Access Tandem Dedicated
 Trunk Port - DS1
Monthly Rate, Per Channel

\$12.50

(J) Shared Trunk Port

Shared Trunk Port
 Originating
Per Access Minute

\$.0016920

Shared Trunk Port
 Terminating
Per Access Minute

\$.000000

(K) Shared Multiplexing

Shared Multiplexing –End Office
Per Access Minute

\$.0000000

(T)

Shared Multiplexing – 3rd Party
Per Access Minute

\$.0000000

(T)

* Rate will only apply to the portion associated with originating usage.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.1 California (Cont'd)(L) Tandem-Switched Transport - Facility

Premium Rate
Tandem-Switched
Transport-Facility
Per Access Minute,
Per Airline Mile

\$.0000020 End Office
\$.0000020 3rd Party

(T)
(T)

(M) Tandem-Switched Transport - Termination

Tandem-Switched
Transport-Termination
Per Access Minute,
Per Termination

\$.0000000 End Office
\$.0000000 3rd Party

(T)
(T)

(N) Tandem Switching Rate

Tandem-Switching Rate
Per Access Minute

\$.0015740 End Office
\$.0015740 3rd Party

(T)
(T)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Switched Access Rates and Charges (Cont'd)

6.6.9 Texas (Cont'd)

(I) Dedicated Trunk Port

End Office Dedicated
Trunk Port-Voicegrade
Monthly Rate, Per Channel *

\$12.50

Access Tandem Dedicated
Trunk Port - Voicegrade
Monthly Rate, Per Channel

\$12.50

End Office Dedicated
Trunk Port - DS1
Monthly Rate, Per Channel *

\$12.50

Access Tandem Dedicated
Trunk Port - DS1
Monthly Rate, Per Channel

\$12.50

(J) Shared Trunk Port

Shared Trunk Port
Originating
Per Access Minute

\$.0016920

Shared Trunk Port
Terminating
Per Access Minute

\$.000000

(K) Shared Multiplexing

Shared Multiplexing
Per Access Minute

\$.0000000
\$.0000000

End Office
3rd Party

(T)
(T)

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.6 Switched Access Rates and Charges (Cont'd)6.6.9 Texas (Cont'd)(L) Tandem-Switched Transport - Facility

Premium Rate
Tandem-Switched
Transport-Facility
Per Access Minute,
Per Airline Mile

\$.0000020

End Office

(T)

\$.0000020

3rd Party

(T)

(M) Tandem-Switched Transport - Termination

Tandem-Switched
Transport-Termination
Per Access Minute,
Per Termination

\$.0000000

End Office

(T)

\$.0000000

3rd Party

(T)

(N) Tandem Switching Rate

Tandem-Switching Rate
Per Access Minute

\$.0015740

End Office

(T)

\$.0015740

3rd Party

(T)