

ACCESS SERVICE

RATES, RULES AND CHARGES

Title Page and Pages 1 to 22-45, inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement No. 7 contains all changes from the original tariff that are in effect on the date hereof.

CHECK SHEET

<u>Page</u>	Number of Revision Except as Indicated	<u>Page</u>	Number of Revision Except as Indicated
Title	2nd	22.4	7th
1	256th*	23	Original
1.1	24th*	24	Original
1.2	105th*	25	1st
1.2.1	2nd*	26	1st
1.3	10th*	27	Original
1.4	28th*	28	1st
1.5	64th	29	1st
1.5.1	14th	30	2nd
1.6	28th*	31	1st
1.7	12th*	1-1	Original
1.7.1	2nd	1-2	3rd
1.8	17th	2-1	2nd
1.9	57th	2-2	2nd
1.10	17th	2-3	1st
1.11	26th	2-4	3rd
1.12	36th	2-5	3rd
1.13	20th	2-5.1	1st
1.14	8th	2-6	1st
2	4th	2-7	Original
3	2nd	2-8	Original
4	3rd	2-9	Original
5	2nd	2-10	Original
6	3rd	2-11	Original
7	4th	2-12	1st
8	3rd	2-13	Original
9	1st	2-14	6th
10	7th	2-15	5th
11	2nd	2-15.1	4th
12	1st	2-16	Original
13	2nd	2-17	4th
14	1st	2-18	Original
15	3rd	2-19	Original
16	5th	2-20	Original
17	6th	2-21	Original
18	2nd	2-22	Original
19	5th	2-23	Original
20	2nd	2-24	Original
21	5th	2-25	Original
22	7th	2-26	1st
22.1	2nd	2-27	Original
22.2	38th	2-28	Original
22.3	5th	2-29	Original

* New or Revised Page

(This page filed under Transmittal No. 274)

ACCESS SERVICE

RATES, RULES AND CHARGES

CHECK SHEET (Cont'd)

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
2-30	Original	2-69	2nd
2-31	Original	2-70	Original
2-32	Original	2-71	1st
2-33	Original	2-72	Original
2-34	Original	2-73	3rd
2-35	7th	2-74	5th
2-35.1	5th	2-75	Original
2-35.2	4th	2-76	Original
2-35.3	5th	2-77	5th*
2-35.4	1st	2-78	Original
2-35.5	1st	2-79	Original
2-36	5th	2-80	Original
2-37	Original	2-81	Original
2-38	Original	2-82	1st*
2-39	1st	2-83	Original
2-40	1st	2-84	1st
2-41	1st	2-85	Original
2-42	Original	2-86	1st
2-43	Original	2-86.1	Original
2-44	Original	2-87	1st
2-45	Original	2-88	Original
2-46	Original	2-89	3rd
2-47	1st	2-90	1st
2-48	Original	2-91	Original
2-49	1st	2-92	Original
2-50	1st	2-93	1st
2-51	Original	2-94	1st
2-52	2nd	2-95	1st
2-53	Original	2-96	Original
2-54	1st	2-97	1st
2-55	1st	2-98	5th
2-56	1st	2-99	2nd
2-57	Original	3-1	2nd
2-58	Original	3-2	1st
2-59	Original	3-3	3rd*
2-60	Original	3-4	1st
2-61	Original	3-5	1st
2-62	Original	3-6	2nd
2-63	Original	3-7	1st
2-64	Original	3-8	Original
2-65	1st	3-9	Original
2-66	Original	3-10	2nd
2-67	2nd	3-11	Original
2-68	2nd	3-12	Original

* New or Revised Page

(This page filed under Transmittal No. 274)

Issued: December 11, 2014

Effective: December 26, 2014

Four AT&T Plaza, Dallas, Texas 75202

RATES, RULES AND CHARGES

CHECK SHEET (Cont'd)

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
3-13	2nd	5-11.2	Original
3-14	2nd*	5-11.3	Original
3-15	2nd	5-12	1st
3-16	1st	5-13	4th
3-17	1st	5-14	4th
3-18	1st	5-14.1	Original
3-19	Original	5-15	7th
3-20	Original	5-16	3rd
3-21	1st	5-17	10th
3-22	1st	5-17.1	8th
3-23	1st	5-17.1.1	6th
3-24	2nd	5-17.2	7th
3-25	1st	5-18	6th
3-26	2nd	5-19	6th
3-27	2nd	5-19.1	5th
3-28	1st	5-19.2	4th
3-29	2nd*	5-19.3	4th
3-30	1st	5-19.4	4th
4-1	2nd	5-19.5	4th
4-2	2nd	5-19.6	4th
4-3	Original	5-19.7	4th
4-4	4th	5-20	6th
4-5	2nd	5-21	Original
4-6	1st	5-22	Original
4-7	1st	5-23	Original
4-8	2nd	5-24	Original
4-8.1	4th	5-25	Original
4-9	52nd	5-26	1st
4-10	23rd	5-27	Original
4-10.1	3rd	5-28	Original
4-11	56th	6-1	3rd
5-1	5th	6-2	1st
5-2	2nd	6-3	1st
5-3	7th	6-4	1st
5-3.1	6th	6-5	Original
5-3.2	3rd	6-6	Original
5-3.3	3rd	6-7	Original
5-3.4	7th	6-8	Original
5-4	1st	6-9	1st
5-5	1st	6-10	1st
5-6	3rd	6-11	Original
5-7	2nd	6-12	Original
5-8	Original	6-13	Original
5-9	1st	6-14	Original
5-10	3rd*	6-15	Original
5-11	2nd	6-16	Original
5-11.1	1st		

* New or Revised Page

(This page filed under Transmittal No. 274)

Issued: December 11, 2014

Effective: December 26, 2014

Four AT&T Plaza, Dallas, Texas 75202

ACCESS SERVICE
 RATES, RULES AND CHARGES
 CHECK SHEET (Cont'd)

Page	Number of Revision Except as Indicated		Page	Number of Revision Except as Indicated
6-17	Original			
6-18	Original			
6-19	Original			
6-20	Original			
6-21	1st*			
6-22	Original			
6-22.1	1st			
6-22.2	Original			
6-22.3	Original			
6-22.4	Original			
6-22.5	Original			
6-22.6	Original			
6-22.7	Original			

* New or Revised Page

(This page filed under Transmittal No. 274)

ACCESS SERVICE
RATES, RULES AND CHARGES
CHECK SHEET (Cont'd)

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
6-23	2nd*	6-64	Original
6-24	1st	6-65	Original
6-25	1st	6-66	Original
6-26	Original	6-67	Original
6-27	Original	6-68	Original
6-28	Original	6-69	Original
6-29	Original	6-70	1st
6-30	Original	6-71	1st
6-31	Original	6-72	1st
6-32	Original	6-73	Original
6-33	Original	6-74	2nd
6-34	Original	6-75	1st
6-35	Original	6-76	1st
6-36	Original	6-77	Original
6-37	Original	6-78	1st
6-38	1st	6-79	1st
6-39	Original	6-80	1st
6-40	Original	6-81	1st*
6-41	Original	6-82	Original
6-42	2nd	6-83	Original
6-43	2nd	6-84	Original
6-44	2nd	6-85	Original
6-45	2nd	6-86	Original
6-46	2nd	6-87	Original
6-47	2nd	6-88	1st*
6-48	2nd	6-89	1st
6-49	2nd	6-90	Original
6-50	2nd	6-91	Original
6-51	Original	6-92	Original
6-52	1st	6-93	2nd
6-53	Original	6-94	1st
6-54	1st*	6-95	Original
6-55	Original	6-96	1st
6-56	Original	6-97	1st
6-57	Original	6-98	2nd*
6-58	Original	6-99	Original
6-59	2nd*	6-100	Original
6-60	2nd*	6-101	Original
6-61	2nd*	6-102	Original
6-62	1st*	6-103	1st
6-63	Original		

* New or Revised Page

(This page filed under Transmittal No. 274)

Issued: December 11, 2014

Effective: December 26, 2014

Four AT&T Plaza, Dallas, Texas 75202

ACCESS SERVICE
RATES, RULES AND CHARGES
CHECK SHEET (Cont'd)

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
6-104	Original	6-147	4th
6-105	Original	6-148	1st
6-106	Original	6-149	6th
6-107	Original	6-150	12th*
6-108	Original	6-151	1st
6-109	Original	6-152	2nd
6-110	Original	6-153	1st
6-111	Original	6-154	1st
6-112	Original	6-155	1st
6-113	1st	6-156	2nd
6-114	1st	6-157	Original
6-115	1st	6-158	1st
6-116	2nd	6-159	1st
6-117	Original	6-160	2nd
6-118	Original	6-161	Original
6-119	Original	6-162	4th
6-120	Original	6-163	1st
6-121	Original	7-1	2nd
6-122	Original	7-2	1st
6-123	Original	7-2.1	2nd
6-124	Original	7-3	3rd
6-125	1st	7-4	Original
6-126	1st	7-5	Original
6-127	2nd*	7-6	Original
6-128	2nd*	7-7	Original
6-129	2nd	7-8	Original
6-130	2nd	7-9	1st
6-131	Original	7-10	Original
6-132	1st	7-11	Original
6-133	Original	7-12	1st
6-134	Original	7-13	Original
6-135	Original	7-14	2nd
6-136	Original	7-15	Original
6-137	1st	7-16	3rd
6-138	1st	7-17	Original
6-139	1st*	7-18	Original
6-140	Original	7-19	Original
6-141	Original	7-20	Original
6-142	Original	7-21	Original
6-143	Original	7-22	Original
6-144	1st	7-23	Original
6-145	Original	7-24	Original
6-146	9th	7-25	1st

* New or Revised Page

(This page filed under Transmittal No. 274)

Issued: December 11, 2014

Effective: December 26, 2014

Four AT&T Plaza, Dallas, Texas 75202

ACCESS SERVICE
 RATES, RULES AND CHARGES
 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>
10-3	Original	12-5	1st
10-4	Original	12-6	1st
10-5	Original	12-7	1st
10-6	Original	12-8	1st
10-7	Original	12-9	1st
10-8	Original	12-10	1st
10-9	Original	12-11	1st
10-10	Original	12-12	3rd
10-11	Original	13-1	5th
10-12	Original	13-2	4th
10-13	Original	13-3	Original
10-14	Original	13-4	4th
10-15	Original	13-5	4th
10-16	Original	13-6	4th
10-17	Original	13-7	4th
10-18	Original	13-8	5th
10-19	Original	13-9	4th
10-20	Original	13-10	4th
10-21	Original	13-11	Original
10-22	1st	13-12	1st*
10-22.1	Original	13-13	Original
10-22.1.1	Original	13-14	1st
10-22.2	3rd	13-15	1st
10-22.3	1st	13-16	1st
10-22.4	Original	13-17	1st
10-22.5	1st	13-18	1st
10-22.6	Original	13-19	1st
10-22.7	1st	13-20	2nd*
10-23	Original	13-21	1st
10-24	Original	13-22	3rd
10-25	Original	13-23	2nd
10-26	Original	13-24	4th
10-27	1st	13-25	3rd
10-28	1st	13-26	Original
10-29	2nd	13-27	Original
10-30	2nd	13-28	Original
10-30.1	Original	13-29	Original
10-31	1st	13-30	Original
10-32	2nd	13-31	Original
10-33	3rd	13-32	Original
10-34	2nd	13-33	Original
10-35	2nd	13-34	Original
10-36	2nd	13-35	Original
10-37	2nd	13-36	1st
11-1	Original	13-37	1st
11-2	Original	13-38	Original
11-3	1st	13-39	Original
11-4	Original	13-40	Original
11-5	Original	13-41	3rd
11-6	Original	13-42	Original
12-1	1st	13-43	3rd
12-2	Original	13-44	3rd
12-3	1st	13-45	4th
12-4	1st	13-46	3rd
		13-47	2nd

* New or Revised Page

(This page filed under Transmittal No. 274)

ACCESS SERVICE

RATES, RULES AND CHARGES

CHECK SHEET (Cont'd)

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
13-48	2nd	15-33	Original
13-49	Original	15-34	Original
13-50	Original	15-35	Original
13-51	Original	15-36	Original
13-52	Original	15-37	Original
13-53	Original	15-38	Original
13-54	Original	15-39	Original
13-55	Original	15-40	Original
13-56	Original	15-41	Original
13-57	Original	15-42	Original
13-58	Original	15-43	Original
13-59	Original	15-44	Original
14-1	Original	15-45	Original
14-2	Original	15-46	Original
15-1	Original	15-47	Original
15-2	1st*	15-48	Original
15-3	1st*	15-49	Original
15-4	1st*	16-1	3rd
15-5	1st	16-2	3rd
15-6	Original	16-3	2nd
15-7	1st	16-4	2nd
15-8	1st	16-5	2nd
15-9	1st	16-6	2nd
15-10	1st*	16-6.1	2nd
15-11	1st*	16-7	2nd
15-12	1st*	16-8	2nd
15-13	1st*	16-9	2nd
15-14	Original	16-10	2nd
15-15	1st	16-11	2nd
15-16	Original	16-12	2nd
15-17	Original	16-13	2nd
15-18	Original	16-14	2nd
15-19	1st*	16-15	2nd
15-20	1st*	16-16	2nd
15-21	Original	16-17	2nd
15-22	1st*	16-18	2nd
15-23	1st	16-19	2nd
15-24	Original	16-20	2nd
15-25	Original	16-21	2nd
15-26	Original	16-22	2nd
15-27	Original	16-23	3rd
15-28	Original	16-24	2nd
15-29	1st	16-25	3rd
15-30	Original	16-26	2nd
15-31	Original		
15-32	Original		

* New or Revised Page

(This page filed under Transmittal No. 274)

Issued: December 11, 2014

Effective: December 26, 2014

Four AT&T Plaza, Dallas, Texas 75202

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Coin Station

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

Commingling⁽¹⁾

Commingling means the connecting, attaching or otherwise linking of an unbundled network element, or a combination of unbundled network elements, to one or more facilities or services that a requesting telecommunications carrier has obtained at wholesale from the Telephone Company, or the combining of an unbundled network element, or a combination of unbundled network elements with one or more such facilities or services. Commingle means the act of commingling.

Common Channel Signaling

The term "Common Channel Signaling" denotes a switched communications network that allows call control messages from the voice and data network to be transferred on communications paths (out of band) separate from the voice and data communications.

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 or trunk provided under the business regulations of the general and/or local exchange service tariffs.

Communications System

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

(D)
|
(D)

⁽¹⁾ In the event the Commission or a court, pursuant to any regulatory or judicial review of the Commission's Review of the Section 251 Unbundling Obligations of Incumbent Local Exchange Carriers, Report and Order and Order on Remand and Further Notice of Proposed Rulemaking, CC Docket No. 01-338, FCC 03-36, para. 581 (released Aug. 21, 2003) (Triennial Review Order), vacates, stays, remands, reconsiders, or rejects the portion of the Triennial Review Order requiring ILECs to permit commingling, the terms and conditions of this tariff authorizing commingling, which are identified with a footnote, shall cease to be effective as of the effective date of the Commission order or the issuance of the court's mandate. In that event, the Telephone Company will provide customers that have commingled UNE(s) and/or UNE Combination(s) with wholesale services obtained under this Tariff written notice that, within 30 days, customers must either convert such UNE(s) or UNE Combination(s) to a comparable service, or disconnect such UNE(s) and/or UNE Combination(s) from those wholesale services. Failure to provide the Telephone Company instructions to convert or disconnect such UNE(s) and/or UNE Combination(s) within 30 days, as described above, shall be deemed authorization to convert the UNE(s) and/or UNE Combination(s) to comparable access services at month-to-month rates.

(This page filed under Transmittal No. 274)

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Equal Level Echo Path Loss

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

Expected Measured Loss

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

Exchange

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

Exchange Access Signaling

The signaling system is used by end offices to transmit originating information and address digits to the customer's premises and which includes the means of verifying the receipt of these address digits. Features of this system include overlap outpulsing, identification of the ten-digit telephone number of the calling party, and acknowledgement wink supervisory signals. (C)

(This page filed under Transmittal No. 274)

3. Carrier Common Line Access Service

This section contains the specific regulations governing the rates and charges which apply to Carrier Common Line Access Service to customers in conjunction with Switched Access Service provided in Section 6 of this tariff. There are two types of rate elements: Carrier Common Line Charges (CCLCs) and Multiline Business Presubscribed Interexchange Carrier Charges (PICCs).

3.1 General Description

The Carrier Common Line Charges provide for the use of end users' Telephone Company-provided common lines by Customers for access to such end users to furnish Interstate communications.

Premium Access is Switched Access provided to customers under this tariff which furnish interstate MTS/WATS. (C)
(C)

A Special Access Surcharge, as set forth in Section 7.3.5, will apply to interstate special access service provided by the Telephone Company to a customer, in accordance with regulations as set forth in Section 7.3. (T)
(T)

The Multiline Business Presubscribed Interexchange Carrier Charges provide for the use of an End User Common Line (EUCL) by the end user.

(This page filed under Transmittal No. 274)

3. Carrier Common Line Access Service (Cont'd)3.6 Resold Services (Cont'd)3.6.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services (Cont'd)(D) Access Groups (D)

When all the usage on an access group originates from and/or terminates at end offices, the Premium Access Charge per minute as set forth in Section 3.9 will apply. The minutes billed Carrier Common Line Access Services charges will be the adjusted originating interstate access minutes and the adjusted terminating interstate access minutes for such access groups. (C) (T)

The adjusted originating access minutes will be the originating interstate access minutes less the reported resold originating MTS and/or MTS-type service minutes of use as set forth Section 3.6.4(A)(1); but not less than zero. The adjusted terminating access minutes will be the terminating interstate access minutes less the reported resold terminating MTS and/or MTS-type service minutes of use as set forth in Section 3.6.4(A)(2); but not less than zero. (T) (T)

(This page filed under Transmittal No. 274)

3. Carrier Common Line Access Service (Cont'd)3.9 Rate Regulations-Carrier Common Line Charges (CCLCs) (Cont'd)3.9.5 Determination of Premium Charges (Cont'd)

(D)

(E) The originating Premium Access per minute charge(s) applies to:

(T)

- all originating access minutes of use;
- less those originating access minutes of use associated with ALA or FGA Access Services where the off-hook supervisory signaling is forwarded by the customer's equipment when the called party answers;
- less all originating access minutes of use associated with calls placed to 700, 800, and 900 numbers;
- plus all originating access minutes of use associated with calls placed to 700, 800, and 900 numbers for which the customer furnishes for each month a report of either the number of calls or minutes or a report of the percent of calls or minutes that terminate in a Switched Access Service that is assessed Carrier Common Line charges, and for which a corresponding reduction in the number of terminating access minutes of use has been made as set forth in Section 3.9.5 (D).

(T)

(This page filed under Transmittal No. 274)

5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)

- For Directory Assistance Service, the customer shall specify which ATA or Feature Group B or D Switched Access Service trunk group is to be associated with the Directory Assistance Service. The customer then specifies the Directory Transport options.
 - For originating 1+ or 011+ Sent-Paid traffic from a Telephone Company pay telephone, the customer must specify the end offices they want to serve. The customer will determine the number of trunks and the routing, either direct or to the coin tandem, when ordering Exchange Access Operator Service System (EAOSS) trunks. When ordering Modified Operator Services (MOS) trunks, the customer will determine the number of direct trunks from each designated end office to their specified locations. MOS trunks are not provisioned via the access or coin tandems. The customer is responsible for providing all other operator services signaling capabilities, as described in the Pacific Bell Network Interface Document PUB L-780085-NB. (C)
- (B) The following applies when placing an order for Special Access Services:
- For all Special Access Services, the customer must specify the customer designated premises or hubs involved, the type of service (e.g., Voice Grade, High Capacity, etc.), the channel interface, technical specification package and optional features and functions desired. For multipoint services, the channel interface at each premises may, at the request of the customer, be different but all such interfaces shall be compatible.
 - For WATS Access Line Service, the customer must also specify the type of calling (i.e., originating only, terminating only or two way calling) for which the service is to be provided. Additionally, when the wire center which serves the customer premise is not a WATS serving office, the Telephone Company will provide the service to the nearest wire center where the screening function exists. In these circumstances, the customer will be so notified and the order will be changed to designate the appropriate premises. No service order change charge will apply. (C)

(This page filed under Transmittal No. 274)

ACCESS SERVICE6. Switched Access Service (Cont'd)(D)
(D)
(D)
(T)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(A) Switched Transport (Cont'd)(5) Optional Features (Cont'd)(e) 64 Clear Channel Capability (64CCC) (Cont'd)

64 CCC is designated as a new traffic type and requires the establishment of a new minimum period as described in Section 6.7.3.

(T)

64CCC will be provided in connection with FGD and ATAXXX with CCSAC where appropriate Telephone Company equipment and other facilities exist, as specified in National Exchange Carrier Association, Inc. Tariff FCC No. 4. Technical Reference TR-NWT-000938 provides the technical specifications for 64CCC. The SS7 protocol requirements for 64CCC are specified in TR-TSV-000962.

(f) Tandem Signaling

This option provides Carrier Identification Code (CIC) and OZZ signaling information necessary for tandem switching. This optional feature is available only on one-way originating Feature Group D trunks from end offices to a Tandem Switching Provider's (TSP) point of termination. This option is offered with either multifrequency (MF) or Signaling System 7 (SS7) signaling protocol.

(C)

In the MF signaling format, Carrier Identification Code (CIC) and OZZ will be forwarded. In the SS7 signaling format, Transit Network Selection (TNS) will be forwarded in the Initial Address Message.

TSP's can terminate switched access traffic to Telephone Company end offices or access tandems over any currently tariffed Feature Group Service. The customer ordering the terminating Feature Group Service will be the customer of record and billed the terminating usage. This customer may be either a TSP or a customer of the TSP.

(This page filed under Transmittal No. 274)

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(B) Local Switching

This rate category provides for (1) local end office switching, i.e., the common switching functions associated with the various Switched Access Service arrangements, (2) the termination of switched transport at end offices, (3) the termination of common lines and WATS Access Lines at end offices, (4) intercept functions, i.e., the termination of certain calls at a Telephone Company intercept operator or recording, (5) the dedicated End Office Port terminating in the end office, and (6) the Shared End Office Trunk Port for termination of Common Transport trunks for tandem routed traffic.

This category includes usage sensitive rates and both chargeable and nonchargeable optional features.

(1) Usage Sensitive Rates

The usage sensitive rates are applied on a per minute of use basis and are divided into two categories: LS1 and LS2 - which pertain to Feature Groups; LS1A and LS2A which pertain to unbundled Basic Service Arrangements.

- (a) The first category, LS1, provides local switching functions for Feature Groups A and B, except for Feature Group A and Feature Group B used to terminate traffic to a WATS Access Line (WAL) provided from an end office. (C)

LS1A provides local switching functions for Access Line Arrangement (ALA) and Access Trunk Arrangement with the 950 Option (ATA950), except for ALA and ATA950 used to terminate traffic to a WATS Access line (WAL) provided from an end office. (T)
(C)

- (b) The second category, LS2, provides local switching functions for Feature Group A and Feature Group B used to terminate traffic to a WATS Access Line (WAL) provided from an end office, Feature Group D, and 800 or 900 Access Service. (C)

LS2A provides local switching functions for Access Line Arrangements and Access Trunk Arrangement with the 950 Option used to terminate traffic to a WATS Access Line (WAL) provided from an end office, Access Trunk Arrangement with 101XXXX (ATAXXXX), and 800 or 900 Access Service. (C)

(This page filed under Transmittal No. 274)

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.4 Access Trunk Arrangement 101XXXX (ATAXXXX) and Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

- (7) ATAXXXX or FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing 101XXXX uniform access code. Each telephone exchange service line may be marked with a presubscription code to identify which 101XXXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in Section 13. (T)
- (8) When the 101XXXX 1+ or 011+ Sent-Paid access code is dialed from a Telephone Company pay telephone to a customer that has not ordered per Section 6.3.2(B) or (C), the calls will be routed to a Telephone Company recording. (T) (D)
- (9) At the option of the customer, the Tandem Signaling optional feature as described in Section 6.1.2(A)(6)(f) is available for use on one-way originating feature group D trunks provisioned from an end office to a customer's point of termination. (T) (C)

(This page filed under Transmittal No. 274)

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.5 500, 900 and Toll Free Access Service (Cont'd)(A) 500 Access Service (Cont'd)

500 Access Service is provisioned in accordance with the technical characteristics available with Feature Group D and ATAXXX. (D)

500 Access Service originating from end offices with the calling party's identification will be provided using access signaling with overlap outpulsing and ten-digit ANI, or with SS7 out of band signaling when the customer has ordered the CCSAC optional feature with Feature Group D or ATAXXX. (C)

500 Access Service originating from handicapped sources routed via operator switched without complete end user identification will be provided using traditional signaling. 500 Access Service traffic will be combined in the same trunk group arrangement with other 500 and non-500 Access Service traffic unless the customer orders a separate trunk group only for its 500 Access traffic. The customer can obtain a separate trunk group using traditional signaling at the access tandem. (D)

500 Access Service usage measurement shall be in accordance with the regulations set forth in Section 6.7.6 for Feature Group D and ATAXXX. (T)

(This page filed under Transmittal No. 274)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.5 500, 900 and Toll Free Access Service (Cont'd)

(B) 900 Access Service

900 Access Service is an originating offering utilizing trunk side Switched Access Service or Access Trunk Arrangement. The service provides a customer identification function based on the dialed 900 number at Telephone Company appropriately equipped end offices or tandem switches.

When a 1+900+NXX-XXXX or 0+900+NXX-XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed. If the call originates from an end office switch not equipped to provide the customer identification function, the call will be routed to an office at which the function is available. Once customer identification has been established, the call will be routed to the customer.

900 Access Service must be provided from all end offices subtending a tandem. Calls originating in an end office switch in which the customer has not ordered 900 Access Service will be routed to intercept. 900 calls from COIN, 0+, 0-, 101XXXX inmate service, hotel motel and calling card will be blocked. The customer may request via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of service except inmate. (C)

When 900 Access Service is provided from an end office, all such service will be provisioned in accordance with the technical characteristics available with ATAXXXX or Feature Group D. (C)

(D)
|
(D)

(This page filed under Transmittal No. 274)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.5 500, 900 and Toll Free Access Service (Cont'd)

(B) 900 Access Service (Cont'd)

900 Access Service originating from end offices with the customer identification function will be provided using exchange access signaling. On traffic using conventional signaling, the customer's facilities shall provide off-hook or answer supervision when the called party answers. (C)

900 Access Service usage measurement shall be in accordance with the regulations set forth in Section 6.7.6 for ATAXXX or for Feature Groups D. (T)

The Telephone Company will work cooperatively with the customer to implement any network management controls (e.g. call gapping and code blocking) to protect the network from traffic surges due to peaked 900 Access Services. Customer notification of peaked services is required as set forth in Section 6.6.1(D). (T)

900 Access Service will be available in every LATA.

(This page filed under Transmittal No. 274)

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.5 500, 900 and Toll Free Access Service (Cont'd)(C) Toll Free Access Service

Toll Free Access Service is an originating offering utilizing trunk side Switched Access Service or Access Trunk Arrangement. The basic service provides a customer identification function with Area of Service (AOS) routing, based on the dialed Toll Free number, at Telephone Company Toll Free Access Service Switching Points (SSPs). AOS routing is based on originating LATA, NPA, or NPA NXX.

When a Toll Free call is originated from an end user, the Toll Free call is held at the SSP while a query is launched to the Toll Free Service Control Point (SCP). The customer identification with AOS, in the form of SS7 signaling information is passed back from the SCP to the SSP from which the query originated and the call can then be routed to the correct customer location. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to the SSP equipped Telephone Company access tandem. (SSP Telephone Company equipped central offices are identified in National Exchange Carrier Association, Inc. Tariff FCC No. 4.) Once customer identification has been established, the call will be routed to the customer for completion. Calls originating from a service area in which the customer has not ordered Toll Free Access Service will be routed to intercept. *

At the option of the customer, the Tandem Signaling optional feature as described in Section 6.1.2(A)(6)(f) is available on Toll Free Access Service only in a customer's end office which is also a SSP.

Customers may choose various vertical options in addition to the basic query as described in Section 6.2.5(C)(1).

Toll Free Access Service will be provisioned in accordance with the technical characteristics available with ATAXXX or FGD, and will be provided using exchange access signaling.

* Customer identification for Canadian and Caribbean Toll Free numbers will be performed by Six Digit Master List Turnaround.

(This page filed under Transmittal No. 274)

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (Cont'd)6.3.1 Common Switching (Cont'd)(V) Flexible Automatic Number Identification (Cont'd)

(2) Flexible ANI is only available on Feature Group D or ATAXXX, in end offices where technically feasible, and will work in conjunction with ten digit ANI as described in Section 6.3.1(F). (C) (T)

(3) When a customer orders Flexible ANI, all available ANI digits will be delivered. A customer may not specify individual digits.

The information digits identify:

(a) 52 - Outward Wide Area Telecommunications Service (OUTWATS) routed via a combined WATS-POTS trunk group,

(b) 93 - Originating call is a private virtual network type of service call.

(W) Call Transfer*

This option permits a customer who has established a call using an Access Line Arrangement to add another party to the call to establish a three-way conference call. Once the three-way conference call has been established, the customer may drop its connection without disconnecting the other two parties and may use its service to make another call. In addition, a customer may hold a second call while maintaining privacy from the first call. This feature, available with ALA, is provided from suitably equipped Telephone Company offices.

* Call Transfer is also known as Three Way Call Transfer in Bell Operating Companies ONA Special Report #5.

(This page filed under Transmittal No. 274)

6. Switched Access Service (Cont'd)6.3 Local Switching Optional Features (Cont'd)6.3.2 Transport Termination (Cont'd)(B) Operator Trunks - Modified Operator Services (MOS)
- Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)

This option provides the operator function available in the end office to the customer's specified location. (T)
These functions are (1) Operator Release, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ring Back. It is available from the Telephone Company's end office to the customer's specified location. This option is not available in combination with the CCSAC optional feature. (T)
(C)

(C) Operator Trunk - Exchange Access Operator Service Systems (EAOSS)

This option provides the operator functions available in the end office to the customer's specified location for Coin 1+, 01+, 011+, 0+ and 0-. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ring Back. It is available with ATAXXX or Feature Group D and is provided as a trunk type of Transport Termination from the Telephone Company's coin tandem or direct from the end office to the customer's specified location, where technically feasible. (T)
(C)

6.3.3 WATS Access Line Termination

The WATS Access Line Termination are differentiated by line side vs. trunk side terminations. The standard WATS Access Line arrangement is available with a line side termination. There are various types of originating, terminating and two way line side terminations depending on the type of signaling associated with the WATS Access Line; (i.e., loop start or ground start). Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.

(This page filed under Transmittal No. 274)

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

(C) (Cont'd)

via an access tandem. Standard traffic engineering methods as set forth in reference document Technical Reference PUB TREOP-000178 Trunk Traffic Engineering Concepts and Applications (Chapters 6-7) will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.

(D) For Entrance Facility no design blocking criteria apply. For Direct Trunked transport used in provision of ALA, ATA950 and Feature Groups A and B, no design blocking criteria apply. For Direct Trunked transport used in provision of ATAXXX and Feature Group D, the design blocking objective is the same as for the ATAXXX or Feature Group D using the facility. For Tandem Switched Facility, the design blocking objective is the same as for the ALA, ATA or Feature Group using the facility.

(E) The design blocking criteria for 500, 800 or 900 Access Service provided from an end office will be equivalent to (C)
that set forth for ATAXXX or Feature Group D, except when (T)
more than one tandem is employed in the transport of an 800
Access Service call. For 900 Access Service, where trunk
access limitation as set forth in Section 6.3.1(N) is (T)
applicable, design blocking criteria does not apply.

(This page filed under Transmittal No. 274)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.4 Change of Basic Service Arrangement or Feature Group Type
(Cont'd)

(1) (Cont'd)

(D)

(D)

(c) The customer requests that the disconnect date on the ALA, ATA950, FGA or FGB service, for the start of ATAXXX or FGD service, be no more than 60 days after allocation. The customer requests the disconnect date of the ALA or FGA service for the start of ATA950 or FGB service be no more than 90 days after the start of the new ATA950 or FGB service. (T)

(d) In the case of an ALA to ATA950; or FGA to FGB change; the ATA950 or FGB trunks that are requested are served from an access tandem. (T)

(D)

(This page filed under Transmittal No. 274)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.4 Change of Basic Service Arrangements or Feature Group Type
(Cont'd)

(2) For all changes from one type of Basic Service Arrangement (T)
or Feature Group to another, new minimum period
obligations will also be established.

(D)
|
(D)

(This page filed under Transmittal No. 274)

Issued: December 11, 2014

Effective: December 26, 2014

Four AT&T Plaza, Dallas, Texas 75202

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.6 Measuring Access Minutes (Cont'd)

(F) Access Trunk Arrangement 101XXXX or Feature Group D Usage Measurement (Cont'd)

The measurement of originating call usage over ATAXXXX or FGD ends when the originating ATAXXXX or 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.

(D)
|
(D)

For terminating calls over ATAXXXX or FGD, the measurement of access minutes begins when the terminating ATAXXXX or FGD 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 over ATAXXXX or FGD ends when the terminating ATAXXXX or FGD 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.

(This page filed under Transmittal No. 274)

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Local Switching

	Originating Rate Per Access Minute	Terminating Rate Per Access Minute	
(A) Usage Sensitive Rates			
Premium			
LS1-Feature Groups A and B except for FGA and FGB used to terminate traffic to a WAL provided from an end office	\$0.001342	\$0.002377	
LS1A-Access Line Arrangement and Access Trunk Arrangement 950 except for ALA and ATA950 used to terminate traffic to a WAL provided from an end office.	\$0.001342	\$0.002377	(C)
LS2-Feature Group D, FGA and FGB used to terminate traffic to a WAL provided from an end office, and originating FGB routed to FGD as specified in Section 6.2.4(A) (9).	\$0.001342	\$0.002377	(C) (T) (D)
LS2A-Access Trunk Arrangements 10XXX, ALA and ATA950 used to terminate traffic to a WAL provided from an end office, and originating ATA950 routed to ATAXXX as specified in Section 6.2.4(A) (9).	\$0.001342	\$0.002377	(D) (D) (C) (D)
<u>Feature Group Transitional</u>			
Per Access Minute	\$0.000604	\$0.001070	
<u>Basic Service Arrangement Transitional</u>			
Per Access Minute	\$0.000604	\$0.001070	

	<u>Originating USOC</u>	<u>Originating Monthly Rate</u>	<u>Terminating USOC</u>	<u>Terminating (D) Monthly Rate</u>	(D)
(B) <u>Dedicated End Office Trunk Port</u> Per Port	3P01X	\$ 13.76	3PT1X	\$ 0.00	(D)
(C) <u>Shared End Office Trunk Port</u> Per Minute of Use		\$ 0.001663		\$ 0.00	
(D) <u>Feature Group A Line Port</u> Per Port	3P01X	\$ 13.00	3PT1X	\$ 0.00	(D)

(This page filed under Transmittal No. 274)

13. Additional Engineering, Additional Labor and Miscellaneous Services13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription(A) Description

Presubscription is a procedure whereby an end user or an agent representing pay telephones may select and designate to the Telephone Company as IC to access, without an access code, interLATA, interstate calls. This IC is referred to as the end user's or agent's primary IC.

An end user or agent is the person identified in the account as responsible for payment of the account or any person contractually or otherwise lawfully authorized to change telecommunications services and/or represent the end user or agent.

The Presubscription procedures apply to Telephone Exchange Service lines and/or trunks, Access Line Arrangements, Feature Group A lines and Centrex lines. They also apply to pay telephones served by end offices. (T)
(T)
(C)

(This page filed under Transmittal No. 274)

13. Additional Engineering, Additional Labor and Miscellaneous Services

13.3 Miscellaneous Services (Cont'd)

13.3.3 Presubscription (Cont'd)

(B) Provisions (Cont'd)

(1) Initial or Change Charge Application

- (a) New End Users/Agents requesting service will be asked to select a primary IC at the time they place an order with the Telephone Company for Telephone Exchange Services, Feature Group A Switched Access Services, or pay telephone service. New end users or agents will be sent (D)

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces15.1 Local Transport Interface Groups

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, depending on the Basic Service Arrangement or Feature Group and whether the Access y Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer designated premises. The premises interfaces associated with the Interface Groups may vary among Basic Service Arrangements or Feature Groups. The various premises interfaces which are available with the Interface Groups, and the Basic Service Arrangements or Feature Groups with which they may be used, are set forth in Section 15.1. (T)

15.1.1 Interface Group 1 (USOC TPPIX)

Interface Group 1, except as set forth in the following, provides two-wire voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with ATAXXX (D)
or FGD when the first point of switching is an access tandem.
In addition, Interface Group 1 is not provided in association
with an Access Trunk Arrangement or FGB or FGD when the first (D)
point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer designated premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces (Cont'd)15.1 Local Transport Interface Groups (Cont'd)15.1.1 Interface Group 1 (USOC TPP1X) (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with ALA or FGA, such signaling will be loop start or ground start signaling. When the interface is associated with ATA950, ATAXXX, FGB, or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling. (D)

15.1.2 Interface Group 2 (USOC TPP2X)

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer designated premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The transmission path between the point of termination at the customer designated premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces
(Cont'd)

15.1 Local Transport Interface Groups (Cont'd)

15.1.2 Interface Group 2 (USOC TPP2X) (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with ALA or FGA, such signaling will be loop start or ground start signaling. When the interface is associated with ATA950, ATAXXX, FGB, OR FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling. (D)

15.1.3 Reserved for Future Use (D)

15.1.4 Reserved for Future Use

(D)
|
(D)

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces
 (Cont'd)

15.1 Local Transport Interface Groups (Cont'd)

15.1.11 Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interface codes are available as a function of the Telephone Company switch supervisory signaling and Feature Group or Service Arrangement. For explanations of these codes, see the Glossary of Channel Interface Codes in Section 15.3.1. (T)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group			
			A	B	D	
			Basic Service Arrangement			
			ALA	ATA 950	ATA XXX	
1	LO	2LS2	X			
	LO	2LS3	X			
	GO	2GS2	X			
	GO	2GS3	X			
	LO, GO	2DX3	X			
	LO, GO	4EA3-E	X			
	LO, GO	4EA3-M	X			
	LO, GO	6EB3-E	X			
	LO, GO	6EB3-M	X			
	RV, EA, EB, EC	2DX3		X		X
	RV, EA, EB, EC	4EA3-E		X		X
	RV, EA, EB, EC	4EA3-M		X		X
	RV, EA, EB, EC	6EB3-E		X		X
	RV, EA, EB, EC	6EB3-M		X		X
	EA, EB, EC,	6EC3				X
	RV	2RV3-0		X		X
	RV	2RV3-T		X		X

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces
 (Cont'd)

15.1 Local Transport Interface Groups (Cont'd)

15.1.11 Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group			(D)	
			A	B	D		
			Basic Service Arrangement				
			ALA	ATA	ATA		
			950	XXX	(D)		
2	LO, GO	4SF2	X				
	LO, GO	4SF3	X				
	LO	4LS2	X				
	LO	4LS3	X				
	LO	6LS2	X				
	GO	4GS2	X				
	GO	4GS3	X				
	GO	6GS2	X				
	LO, GO	4DX2	X				
	LO, GO	4DX3	X				
	LO, GO	6EA2-E	X				
	LO, GO	6EA2-M	X				
	LO, GO	8EB2-E	X				
	LO, GO	8EB2-M	X				
	LO, GO	6EX2-B	X				
	RV, EA, EB, EC	4SF2		X		X	(D)
	RV, EA, EB, EC	4SF3		X			
	RV, EA, EB, EC	4DX2		X		X	(D)
	RV, EA, EB, EC	4DX3		X			
	RV, EA, EB, EC	6DX2					(D)
	RV, EA, EB, EC	6EA2-E		X		X	
	RV, EA, EB, EC	6EA2-M		X		X	
	RV, EA, EB, EC	8EB2-E		X		X	
	RV, EA, EB, EC	8EB2-M		X		X	

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces
 (Cont'd)

15.1 Local Transport Interface Groups (Cont'd)

15.1.11 Available Premises Interface Codes (Cont'd)

<u>Interface Group</u>	<u>Telephone Company Switch Supervisory Signaling</u>	<u>Premises Interface Code</u>	<u>Feature Group</u>			(D)
			<u>A</u>	<u>B</u>	<u>D</u>	
			<u>Basic Service Arrangement</u>			
			<u>ALA</u>	<u>ATA</u>	<u>ATA</u>	
			<u>950</u>	<u>XXX</u>		
2 (Cont'd)	EA, EB, EC	8EC2-M			X	(D)
	RV	4RV2-O		X	X	
	RV	4RV2-T		X	X	
	RV	4RV3-O		X		
	RV	4RV3-T		x		
3	LO, GO	4AH5-B	X			(D)
	RV, EA, EB, EC	4AH5-B		X	X	
4*	LO, GO	4AH6-C	X			(D)
	RV, EA, EB, EC	4AH6-C		X	X	
5*	LO, GO	4AH6-D	X			(D)
	RV, EA, EB, EC	4AH6-D		X	X	
6	LO, GO	4DS9-15	X			(D)
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	
	RV, EA, EB, EC	4DS9-15L		X	X	
7*	LO, GO	4DS9-31	X			(D)
	RV, EA, EB, EC	4DS9-31		X	X	
	LO, GO	4DS9-31L	X			
	RV, EA, EB, EC	4DS9-31L		X	X	

* Interface groups 4, 5, and 7 are only available when ordered in conjunction with Feature Groups. They are not available with Basic Service Arrangements.

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces
 (Cont'd)

15.1 Local Transport Interface Groups (Cont'd)

15.1.11 Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group			(D)
			A	B	D	
			Basic Service Arrangement			
			ALA	ATA	ATA	
			950	XXX	(D)	
8*	LO, GO	4DSO-63	X			
	LO, GO	4DSO-63L	X			
	RV, EA, EB, EC	4DSO-63		X	X	(D)
	RV, EA, EB, EC	4DSO-63L		X	X	(D)
9	LO, GO	4DS6-44	X			
	LO, GO	4DS6-44L	X			
	RV, EA, EB, EC	4DS6-44		X	X	(D)
	RV, EA, EB, EC	4DS6-44L		X	X	(D)
10*	LO, GO	4DS6-27	X			
	LO, GO	4DS6-27L	X			
	RV, EA, EB, EC	4DS6-27		X	X	(D)
	RV, EA, EB, EC	4DS6-27L		X	X	(D)

15.1.12 Supervisory Signaling

For Interface Groups 1 and 2

DX Supervisory Signaling.
 E&M Type I Supervisory Signaling,
 E&M Type II Supervisory Signaling, or
 E&M Type III Supervisory Signaling

For Interface Group 2

SF Supervisory Signaling, or
 Tandem Supervisory Signaling

* Interface groups 8 and 10 are only available when ordered in conjunction with Feature Groups. They are not available with Basic Service Arrangements.

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces
 (Cont'd)

15.2 Transmission Specifications Switched Access Service (Cont'd)

15.2.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(3) C-Message Noise

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

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B1</u>	<u>Type B2</u>
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
400 to 10	39 dBrnCO	45 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for ALA or FGA and ATA950 or FGB and Equal Level Echo Path Loss for ATAXXX and FGD and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's Point of Termination (POT) to the end office (D)

* FOR ACCESS TRUNK ARRANGEMENTS XXX OR FOR FGD ONLY TYPE B2 WILL BE PROVIDED. FOR ACCESS LINE ARRANGEMENT OR ACCESS TRUNK ARRANGEMENT 950 OR FOR FGA AND B, TYPE B1 OR B2 WILL BE PROVIDED AS SET FORTH IN TECHNICAL REFERENCE TR-NPL-000334. (D)

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces
 (Cont'd)

15.2 Transmission Specifications Switched Access Service (Cont'd)

15.2.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

or via an access tandem. The ERL and SRL also differ by Access Arrangement or Feature Group, type of termination, and type of transmission path. They are greater than or equal to the following:

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem		
- Terminated in	21 dB	14 dB
4-Wire trunk		
- Terminated in	16 dB	11 dB
2-Wire trunk		
POT to End Office		
- Direct	16 dB	11 dB
- Via Access Tandem		
o For ATA950 or FGB Access	8 dB	4 dB

(D)
 |
 (D)

(This page filed under Transmittal No. 274)

15. Interface Groups, Transmission Specifications and Channel Interfaces
 (Cont'd)

15.2 Transmission Specifications Switched Access Service (Cont'd)

15.2.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(3) C-Message Noise

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

<u>C-Message Noise*</u>		
<u>Route Miles</u>	<u>Type C1</u>	<u>Type C2</u>
less than 50	32 dBrnCO	38 dBrnCO
51 to 100	33 dBrnCO	39 dBrnCO
101 to 200	35 dBrnCO	41 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
400 to 1000	39 dBrnCO	45 dBrnCO

(4) C-Notch Noise

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

* For Access Trunk Arrangements XXX or for FGD only Type C2 will be provided. For Access Line Arrangement or Access Trunk Arrangement 950 or for FGA and FGB, Type C1 or C2 will be provided as set forth in Technical Reference PUB 62500. (D) (T)

(This page filed under Transmittal No. 274)