DOCKET NO. 940020-TC

REQUEST TO ESTABLISH DOCKET

Date 01/03/94

1. Division Name/Staff Name Communications

2. OPR Boyd

3. OCR

4. Suggested Docket Title Request for approval of tariff filing to restructure the local transport element of switched access service by Central Telephone Company of Florida. (T-93-727, filed 12/17/93)

5. Suggested Docket Mailing List (attach separate sheet if necessary)

A. Parties (Provide names of regulated companies or use abbreviation from list below if Parties should include all regulated companies in one or more industries; provide names and addresses of nonregulated companies; provide names, addresses, and affiliation (i.e., attorney, company liaison officer, or customer) of individuals.)

Centel

B. Interested Persons/Companies (Provide names, complete mailing addresses, and affiliation. Use abbreviation from list below if Interested Persons should include all regulated companies in one or more industries.)

REGULATED INDUSTRIES

Investor-Owned Electrics	(EI)	Water Utilities	(WU)
Electric Cooperatives	(EC)	Local Exchange Telephone Cos.	(TL)
Municipal Electrics	(EM)	Interexchange Telephone Cos.	(TI)
Gas Utilities	(GU)	Coin-Operated Telephone Cos.	(TC)
Wastewater Utilities	(SU)	Shared Tenant Telephone Cos.	(TS)
		Alternate Access Vendors	(TA)

6. Check One:

XXXXX Documentation attached.

_____ Documentation will be provided with recommendation.

PSC/RAR 10 (Revised 09/93)
I:\PSC\CMU\WP\RED.CMU

T-93-727

Sprint
United Telephone-Florida

Box 165000
Mail Code 532F
Altamonte Springs, Florida 32716-5000
Telephone 407-889-6405
Fax 407-884-7020

F. B. (Ben) Poag
Director
Tariffs & Regulatory

December 17, 1993

RECEIVED

--- 17 1993

CMU

Mr. Walter D'Haeseleer
Director, Division of Communications
Florida Public Service Commission
101 East Gaines Street
Tallahassee, Florida 32399-0850

Dear Mr. D'Haeseleer:

Enclosed are four copies each of the following Central Telephone Company of Florida Access Service Tariff sections:

Section E2
Section E4
Section E5
Section E6
Section E7

The first page of Attachment 1 provides a list of all of the affected tariff pages.

The purpose of this filing is to restructure the Local Transport rate element of Switched Access service. It is preceded by a similar filing that was made in the interstate jurisdiction in response to the FCC's Orders in CC Docket No. 91-213, In the Matter of Transport Rate Structure and Pricing. Because Switched Access services carry both interstate and intrastate traffic, Central Telephone Company of Florida is proposing to restructure Switched Access Local Transport in the intrastate jurisdiction as well.

The following attachments provide the appropriate information to support the proposed rates and regulations associated with the provision of restructured Switched Transport services.

Attachment 1 - Tariff Pages
Attachment 2 - Executive Summary and Exhibits
Attachment 3 - Rate Development
Attachment 4 - Priceout
Attachment 5 - Adjustment in RIC - BHMOC Revenue

T-93-727

In addition, references to "IC" or "End User" have been changed to "customer" in those cases where such a distinction is unwarranted. These changes were made throughout Section E6, and on other pages which were being revised as a result of the Switched Transport restructure.

Acknowledgement, date of receipt, and authority number of this filing are requested. A duplicate letter of transmittal is attached for this purpose.

Commission consideration and approval of these pages are respectfully requested.

Sincerely,

F. B. Poag

CLR/ab

Enclosures

T-93-727

CENTRAL TELEPHONE COMPANY OF FLORIDA

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Executive Summary

2.1 Introduction

Sprint/Central Telephone of Florida (S/CF) proposes revisions to its Intrastate Access Tariff in order to restructure the Local Transport rate element of Switched Access Service. The Local Transport Restructure was filed in the interstate jurisdiction on September 1, 1993, in compliance with the Federal Communications Commission's (FCC's) decisions in CC Docket No. 91-213, released October 16, 1992, July 21, 1993, and August 18, 1993. Because Switched Access Services carry both interatate and intraatate traffic, S/CF is proposing to restructure Local Transport in the intrastate jurisdiction as well.

2.2 Service Description and Rate Structure

Local Tranaport includes the tranamission facilities between the Interexchange Carrier's (IC's) premises and the Telephone Company's end offices switch(es) where the IC's originating and terminating traffic is switched. Local Transport chargea are currently calculated based on the airline distance between the Company's wire center serving an IC's premises and the end office switch where a call originates or terminates regardless of whether the traffic is directly routed to the end office switch or routed through an access tandem. ICs are charged equally for Local Transport on a per minute of use basis.

The tariff revisions submitted in this filing restructure the Local Transport rate element and rename it as Switched Transport. The new rate structure ia intended to encourage efficient use of transport facilities through the establishment of rates that more closely reflect the way traffic is actually provisioned. These revisions, proposed to become effective on February 15, 1994, offer ICs a range of choices in obtaining Switched Transport services. The application of Switched Transport rates will be dependent upon the IC's order.

The FCC's decisions in CC Docket No. 91-213 required that Local Exchange Carriers (LECs) restructure the existing Local Transport rate element into four new rate elements: Interconnection, Entrance Facility, Direct-Trunked Transport, and Tandem-Switched Transport.

Diagrams showing both the current and proposed rate structures are provided as Exhibits 1 and 2, respectively, of Attachment 2.

2.2.1 Interconnection

The Interconnection rate element is assessed on all ICs interconnecting with the Company's network. It is usage-rated and applies on a per minute of use basis for both Direct-Trunked Transport and Tandem-Switched Transport usage. It is a residually-calculated

charge designed to make the Local Transport Restructure revenue neutral to S/CF.

2.2.2 Entrance Facility

The Entrance Facility rate element is assessed on a flat monthly non-usage sensitive and non-distance sensitive basis. It provides for the communication path between an IC's premises and the Company's serving wire center for that premises. The Entrance Facility includes the transmission facility and certain circuit equipment on the ends of the facility, and is available for use with line-side and trunk-side Switched Access services. The Entrance Facility is provided based on the IC's request and is available at the Voice Grade, DS1, or DS3 level of service. An Entrance Facility rate element is applicable whether the IC requests Direct-Trunked Transport or Tandem-Switched Transport facilities.

2.2.3 Direct-Trunked Transport

Direct-Trunked Transport provides the transmission facility between the serving wire center of an IC's premises and an end office. Direct-Trunked Transport is dedicated to a single IC and does not require switching at the Telephone Company's access tandem location. It can also be used by the IC to connect a serving wire center with a Company facility hub where multiplexing functions are performed, a serving wire center with an access tandem, a hub with an access tandem, a hub with a hub, or a hub with an end office. Direct-Trunked Transport is comprised of both "fixed" and "per mile" rate elements. The per mile rate element provides for the transmission facilities between the Telephone Company's serving wire center and an end office when such facilities are not switched through an access tandem and for circuit equipment used within the network to manage the circuits at intermediate locations. The fixed rate element associated with Direct-Trunked Transport provides for circuit equipment necessary for termination of the transmission facilities. Direct-Trunked Transport is not available to end offices that lack recording and measuring capabilities and to end offices for 800 Access Service when the required Service Switching Point (SSP) is located at the Company's access tandem. Direct-Trunked Transport is available at the Voice Grade, DS1, or DS3 level of service.

2.2.4 Tandem-Switched Transport

Tandem-Switched Transport provides the communication path between the serving wire center of an IC's premises and an end office, and includes the tandem switching function. Tandem-Switched Transport includes circuits dedicated to a single IC from the serving wire center to an access tandem and circuits provided for the common use of all ICs who utilize tandem switching from the access tandem to an end office. Tandem-Switched Transport is available for use with all trunk-side Switched Access services but is not available for use with line-side Switched Access services. Tandem-Switched Transport applies between a host end office and a remote end office regardless of whether the transport ordered is Tandem-Switched Transport or Direct-Trunked Transport.

Tandem-Switched Transport is comprised of two rate elements: Tandem-Switched Transmission and Tandem Switching. The Tandem-Switched Transmission element provides for the transmission facilities from the Company's serving wire center to an access tandem switch and from the access tandem switch to an end office. Tandem-Switched Transmission includes both a "Termination" rate and a "Facility" per mile rate. Both are applied on a per minute of use basis. The "Facility" rate element provides for the transmission medium and equipment used within the network at intermediate locations, and the "Termination" rate element provides for the circuit equipment that is necessary to terminate the transmission facilities.

The Tandem-Switching rate element provides for the switching function in the Telephone Company's access tandem. It is assessed on all originating and terminating minutes of use which are switched through access tandems.

2.2.5 Hubs

ICs will also have the option of ordering multiplexing functions at Company facility hubs to convert higher capacity circuits for bulk transport to several lower capacity circuits.

2.2.6 Premium and Transitional Rates

All usage-rated Switched Transport rate elements will be billed at premium or transitional rates based on the extent to which the EAEA is converted to equal access. All flat-rated Switched Transport rate elements will be billed at a single rate level.

2.3 BHMOC Charge Elimination

In this filing, S/CF is proposing that the Busy Hour Minute Of Capacity (BHMOC) rate element be completely eliminated, and that the associated revenue be incorporated into the residual Interconnection charge. It has long been an objective of the Commission, LECs, and ICs to eliminate the BHMOC rate element. Also, in order to mirror the new interstate Local Transport rate structure, the BHMOC must be eliminated. So, S/CF's Interconnection charge has been calculated to recover not only the residual from the Local Transport Restructure, but also to offset the decrease in revenue resulting from the elimination of the BHMOC charge. The adjustment in the Interconnection charge to incorporate BHMOC revenue is shown in Attachment 5.

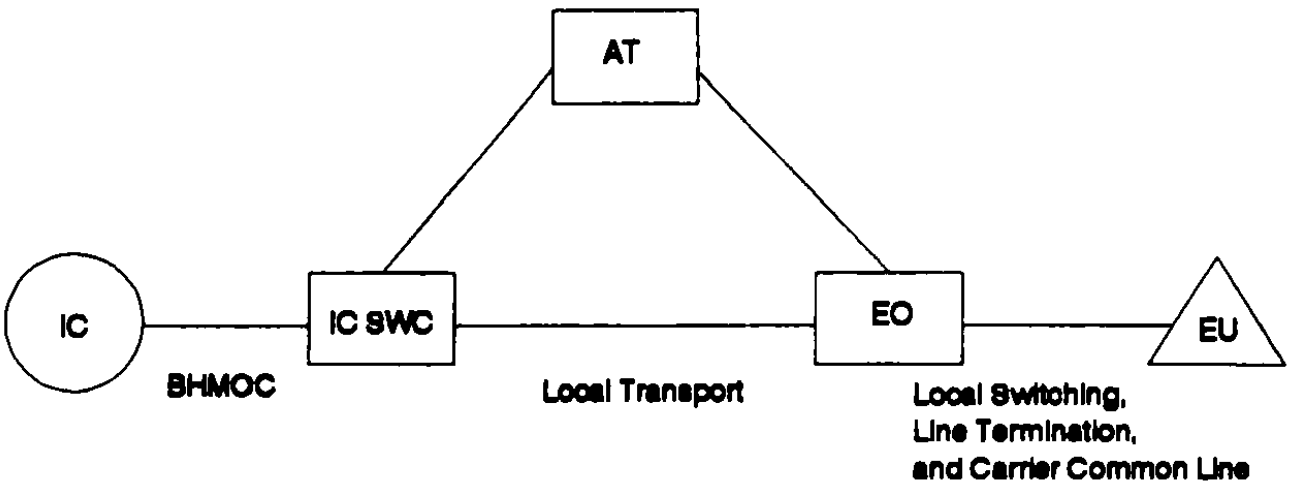
2.4 Effective Date

The FCC has mandated that switched access expanded interconnection become effective on February 15, 1994. Expanded interconnection (also referred to as collocation) will facilitate the ability of alternate access vendors (AAVs) to compete with the LECs in the provision of transport. The FCC's decision to restructure switched local transport stems from the competition that LECs will face from AAVs, particularly as a result of expanded interconnection. Since S/CF must begin offering switched access expanded interconnection on February 15, 1994, it is imperative that the Local Transport Restructure be effective by the same date. The interstate Local Transport Restructure is currently scheduled to become effective on December 30, 1993. S/CF is requesting an effective date of February 15, 1994, for the intrastate Local Transport Restructure.

T-93-727

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 1 OF ATTACHMENT 2
PAGE 1 OF 1

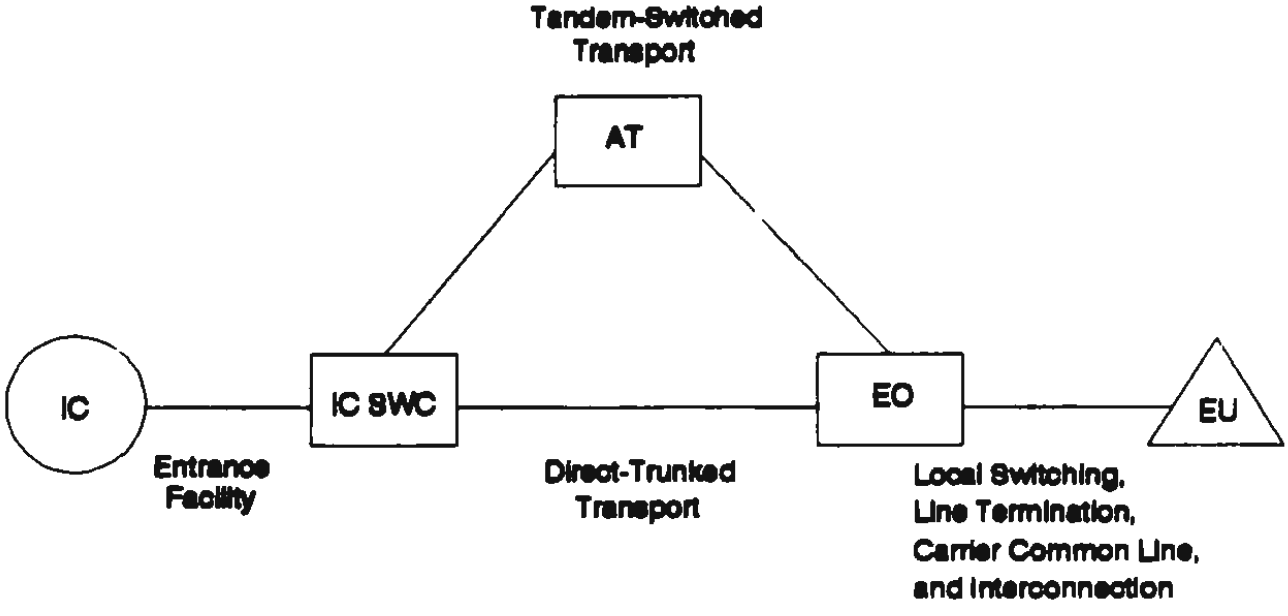
Today's Switched Access Rate Structure



T-93-727

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 2 OF ATTACHMENT 2
PAGE 1 OF 1

Tomorrow's Switched Access Rate Structure



Rate Development

3.1 Entrance Facility and Direct-Trunked Transport

Current Sprint/Central Telephone of Florida (S/CF) intrastate Special Access rates were utilized in establishing Entrance Facility and Direct-Trunked Transport rates. In order to mirror the interstate Local Transport rate structure, some intrastate Special Access rates were combined and averaged in developing the Entrance Facility and Direct-Trunked Transport rates. Exhibit 1 of Attachment 3 provides the current S/CF Special Access rates and the corresponding rates for Entrance Facility and Direct-Trunked Transport.

S/CF does not currently have generally tariffed DS3 Special Access service rates in effect. So, Entrance Facility and Direct-Trunked Transport DS3 rates were developed based on current S/CF intrastate Special Access DS1 rates and a DS1-to-DS3 price crossover point of 10 as shown in Exhibit 1 of Attachment 3. In the interstate Local Transport Restructure, the FCC required a minimum DS1-to-DS3 price crossover point of 9.6.

3.2 Tandem-Switched Transport

The rates for Tandem-Switched Transport consist of Tandem-Switched Transmission charges and a Tandem Switching charge.

3.2.1 Tandem-Switched Transmission

Tandem-Switched Transmission charges are based on a weighted per-minute equivalent of Direct-Trunked Transport DS1 and DS3 rates that reflects the relative number of copper (DS1) and fiber (DS3) circuit terminations used in the tandem to end office links, calculated using a loading factor of 9000 minutes per month per voice grade equivalent.

The DS1 and DS3 weightings, along with the computation of the Tandem-Switched Transmission rates, are provided in Exhibit 2 of Attachment 3.

3.2.2 Tandem Switching

The Tandem Switching charge recovers twenty percent of the intrastate tandem revenue requirement. S/CF developed the tandem charge using the same methodology as that used for development of the interstate Tandem Switching charge. The 1992 intrastate tandem revenue requirement was multiplied by 20% and then divided by the number of 1992 tandem-switched minutes.

The computation of the Tandem Switching charge is provided in Exhibit 3 of Attachment 3.

3.3 Interconnection

The Interconnection charge is designed to recover Switched Transport revenues not recovered through the rates for Entrance Facility, Direct-Trunked Transport, and Tandem-Switched Transport. S/CF used anticipated IC network configurations in determining the demand and revenues for Entrance Facility, Direct-Trunked Transport, and Tandem-Switched Transport. The Interconnection charge is computed by subtracting these revenues from the base year Switched Transport revenues (i.e., 1992 transport minutes multiplied by the current transport rates), and dividing the residual by the 1992 transport minutes.

In computing rates, S/CF developed a network reconfiguration model that calculates the least cost access network configuration for each IC based on the new transport rate structure. The model utilizes 1992 interstate and intrastate access minutes by IC and by end office. For interoffice facilities, the model calculates the least cost alternative, based on the proposed transport rates, for every serving wire center to end office route for every IC.

For the purpose of converting access minutes to equivalent Direct-Trunked Transport capacity, S/CF assumed a utilization of 300,000 minutes per DS1 per month. For example, if an IC has 1,000,000 minutes per month to an end office, and if the price crossover between DS1 Direct-Trunked Transport and Tandem-Switched Transport is 200,000 minutes per month (i.e. Direct-Trunked Transport is less expensive than Tandem-Switched Transport for that serving wire center to end office route if the IC has 200,000 or more minutes), the model estimates that the IC will purchase three DS1s. The model assumes that those three DS1s will carry 900,000 minutes. The remaining 100,000 minutes are assigned to Tandem-Switched Transport, because that is less expensive than purchasing a fourth DS1. The resulting demand units are adjusted based on the IC's PIU to determine the intrastate portion. The intrastate portion is then multiplied by the proposed rates to determine intrastate revenues.

Entrance Facility demand and revenues are determined in a similar manner. Each IC's existing trunks are identified and the least cost Entrance Facility (DS1 and DS3) is determined. Smaller ICs, particularly resellers, share the entrance facilities of larger facility-based ICs. In those instances, it is assumed that such arrangements will continue, and the demand of those smaller ICs was added to that of the IC with whom they share entrance facilities for the purposes of calculating the Entrance Facility demand of the larger IC.

These IC by IC, end office by end office computations are then summed to determine the total demand and revenues by Switched Transport rate element. The revenues calculated in this process are then subtracted from the base year revenues to determine the revenue that needed to be recovered through the Interconnection charge.

The calculation of the Interconnection charge is provided in Exhibit 4 of Attachment 3.

Attachment 4 contains a priceout which shows the results of the model as well as present and proposed revenues.

3.4 Nonrecurring Charges

Current S/CF intrastate Special Access nonrecurring charges (NRCs) were utilized in establishing Entrance Facility and Direct-Trunked Transport NRCs. In order to mirror the interstate Local Transport rate structure, some intrastate Special Access NRCs were combined and averaged in developing the Entrance Facility and Direct-Trunked Transport NRCs. Exhibit 5 of Attachment 3 provides the current S/CF Special Access NRCs and the corresponding NRCs for Entrance Facility and Direct-Trunked Transport.

S/CF does not currently have generally tariffed DS3 Special Access service rates in effect. So, Entrance Facility and Direct-Trunked Transport DS3 NRCs were developed as a multiple of current S/CF intrastate Special Access DS1 NRCs. A multiple of 1.5 was selected.

ENTRANCE FACILITY AND
DIRECT-TRUNKED TRANSPORT RATES

	SPECIAL ACCESS RATE ELEMENT	RATE		SWITCHED TRANSPORT RATE ELEMENT	RATE
Voice Grade	2 wire - Local Channel	$20.76 *	Entrance Facility	Voice Grade (2 wire)	$20.76
	4 wire - Local Channel	$28.54 *	Entrance Facility	Voice Grade (4 wire)	$28.54
	I/O Channel-Fixed	$25.65	Direct-Trunked Transport	Voice Grade - Fixed	$25.65
	I/O Channel-Per Mile	$1.42 *	Direct-Trunked Transport	Voice Grade *Per Mile	$1.42
1.544 Mbps	Local Channel	$112.70	Entrance Facility	DS1	$112.70
	I/O Channel-Fixed	$51.50	Direct-Trunked Transport	DS1 - Fixed	$51.50
	I/O Channel-Per Mile	$21.64 *	Direct-Trunked Transport	DS1 - Per Mile	$21.64
	Multiplexing DS1 to Voice	$200.95	Multiplexing DS1 to Voice		$200.95
3.152 Mbps	Local Channel	n/a	Entrance Facility	DS3	$1,360 **
	I/O Channel-Fixed	n/a	Direct-Trunked Transport	DS3 - Fixed	$448 **
	I/O Channel-Per Mile	n/a	Direct-Trunked Transport	DS3 - Per Mile	$188 **
	Multiplexing DS3 to DS1	n/a	Multiplexing DS3 to DS1		$300 **

* Weighted average rates. See pages 2-5 of 6 for calculations.
** Rates developed using a price crossover. See page 6 of 6 for calculations.

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 1 OF ATTACHMENT 3
PAGE 2 OF 6

CALCULATION OF SPECIAL ACCESS
VOICE GRADE 2 WIRE LOCAL CHANNEL
WEIGHTED AVERAGE RATE

2 WIRE VOICE GRADE LOCAL CHANNEL	A Rates	B Jan 1993 Demand	C Feb 1993 Demand	D Mar 1993 Demand	E Apr 1993 Demand	F May 1993 Demand	G Jun 1993 Demand	H 6 Month Total Demand	I 6 Month Revenue (H * A)
2 Wire Voice	$19.05	252	250	244	232	230	226	1,434	$27,318
2 Wire Data	$22.90	198	204	193	181	183	192	1,151	$26,358
Total		450	454	437	413	413	418	2,585	$53,676

Weighted Average Rate based on Jan-Jun 1993 demand (I Total / H Total) $20.76

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 1 OF ATTACHMENT 3
PAGE 3 OF 6

CALCULATION OF SPECIAL ACCESS
VOICE GRADE 4 WIRE LOCAL CHANNEL
WEIGHTED AVERAGE RATE

4 WIRE VOICE GRADE LOCAL CHANNEL	A Rates	B Jan 1993 Demand	C Feb 1993 Demand	D Mar 1993 Demand	E Apr 1993 Demand	F May 1993 Demand	G Jun 1993 Demand	H 6 Month Total Demand	I 6 Month Revenue (H * A)
4 Wire Voice	$28.70	901	888	891	841	811	801	5,133	$147,317
4 Wire Data	$28.50	3,502	3,499	3,455	3,419	3,386	3,317	20,578	$586,473
Total		4,403	4,387	4,346	4,260	4,197	4,118	25,711	$733,790

Weighted Average Rate based on Jan-Jun 1993 demand (I Total / H Total) $28.54

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 1 OF ATTACHMENT 3
PAGE 4 OF 6

CALCULATION OF SPECIAL ACCESS
VOICE GRADE INTEROFFICE CHANNEL PER MILE
WEIGHTED AVERAGE RATE

VOICE GRADE INTEROFFICE CHANNEL PER MILE	A Rates	B Jan 1993 Demand	C Feb 1993 Demand	D Mar 1993 Demand	E Apr 1993 Demand	F May 1993 Demand	G Jun 1993 Demand	H 6 Month Total Demand	I 6 Month Revenue (H * A)
1-8 miles	$1.50	3,227	3,218	3,149	2,996	2,974	2,932	18,496	$27,744
9-25 miles	$1.45	10,365	10,365	10,327	10,156	9,955	9,668	60,836	$88,212
over 25 miles	$1.40	22,373	22,086	21,869	21,570	21,322	20,903	130,123	$182,172
Total		35,965	35,669	35,345	34,722	34,251	33,503	209,455	$298,128

Weighted Average Rate based on Jan-Jun 1993 demand (I Total / H Total) $1.42

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 1 OF ATTACHMENT 3
PAGE 5 OF 6

CALCULATION OF SPECIAL ACCESS
1.544 MBPS INTEROFFICE CHANNEL PER MILE
WEIGHTED AVERAGE RATE

1.544 Mbps INTEROFFICE CHANNEL PER MILE	A Rates	B Jan 1993 Demand	C Feb 1993 Demand	D Mar 1993 Demand	E Apr 1993 Demand	F May 1993 Demand	G Jun 1993 Demand	H 6 Month Total Demand	I 6 Month Revenue (H * A)
1-8 miles	$25.85	77	71	66	66	64	64	408	99,731
9-25 miles	$22.35	201	202	202	202	202	202	1,211	$27,066
over 25 miles	$20.90	310	377	398	398	398	493	2,374	$49,617
Total		588	650	666	666	664	759	3,993	$86,413

Weighted Average Rate based on Jan-Jun 1993 demand (I Total / H Total) $21.64

CALCULATION OF SWITCHED TRANSPORT DS3 RATES

DS1 Direct-Trunked Transport Fixed	$51.50
DS1 Direct-Trunked Transport Per Mile	$21.64 X 16.5 miles (estimated interoffice miles per circuit)
	$408.56
DS1 Entrance Facility	+ $112.70
Direct Trunked-Transport Subtotal	$521.26
Target Price Crossover	X 10
Total	$5,212.60
Less DS3 to DS1 Multiplexing	($300) *
Less DS3 Entrance Facility	($1,360) **
Available for Direct-Trunked Transport	$3,552.60
Less DS3 Direct-Trunked Transport Fixed	($448) ***
	$3,104.60
Estimated Interoffice Miles per Circuit	/ 16.5
DS3 Direct-Trunked Transport Per Mile	$188

* A rate of $300 was selected based on perceived market value of 1.5 times the DS1-to-Voice multiplexing rate of $200.95.

** A rate of $1,360 which is 0.80 times the $/UTF DS3 Local Channel rate of $1,700 was selected since the $/CF target total DS3 revenue of $5,212.60 is 0.80 times the $/UTF target total DS3 revenue of $6,510.10.

*** A rate of $448 which is 0.126 times the target DS3 Direct-Trunked Transport revenue of $3,552.60 was selected since the DS1 Direct-Trunked Transport Fixed rate of $51.50 is 0.126 times the total DS1 Direct-Trunked Transport revenue of $408.56.

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SPRINT/CENTEL FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 2 OF ATTACHMENT 3
PAGE 1 OF 1

TANDEM-SWITCHED TRANSMISSION RATES

A. Local Transport Termination (LTT) Fixed

RATES		DS1/DS3 MIX
DS3 CNT	$448.00	DS3 = .87
DS3 MUX	$300.00	DS1 = .13
DS1 CNT	$51.50	
ASSUMED MOUS PER DS1 216,000		

(0.87 x [($448 + $300) \ 28]) + (0.13 x 51.50) \ 216,000 = .000139

B. Local Transport Facility (LTF) Per Mile

RATES		DS1/DS3 MIX
DS3 CNF	$188.00	DS3 = .87
DS1 CNF	$21.64	DS1 = .13
ASSUMED MOUS PER DS1 216,000		

[0.87 x ($188 \ 28)] + (0.13 x 21.64) \ 216,000 = .000040

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 3 OF ATTACHMENT 3
PAGE 1 OF 1

TANDEM SWITCHING RATE

A.	1992 Tandem Revenue Requirement	$2,397,327
B.	20% of Tandem Revenue Requirement (20% * A)	$479,465
C.	Total 1992 Tandem Switched chargeable transport MOUS	141,132,661
D.	4/5 MOUS *	35,283,165
E.	Total 1992 Tandem Switched chargeable transport MOUS less 4/5 MOUS (C - D)	105,849,496
F.	Tandem Rate (B / E)	$0.004530

* 4/5 MOUs are MOUs associated with 4/5 offices, i.e. offices that serve as both Class 4 offices (access tandems) and Class 5 offices (end offices). The MOUs associated with such offices are actually only switched once. The Local Switching rate is already applied to these MOUs. So, it is inappropriate to also apply the Tandem Switching charge to these MOUs. Thus, the 4/5 MOUs are being subtracted from the Tandem Switched MOUs for purposes of calculating the Tandem Switching rate.

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 5 OF ATTACHMENT 3
PAGE 1 OF 2

NONRECURRING CHARGES

SPECIAL ACCESS

	First	Add'l
Voice Grade		
2 wire Local Channel	$281 *	$97 *
4 wire Local Channel	$295 *	$106 *
I/O Channel - Fixed	$87	$87
1.544		
Local Channel	$745	$335
I/O Channel - Fixed	$200	$200
3.152		
Local Channel	N/A	N/A
I/O Channel - Fixed	N/A	N/A
	Initial	**Subseq**
Multiplexing		
DS1 to Voice	$185	$500
DS3 to DS1	N/A	N/A

SWITCHED TRANSPORT

	First	Add'l
Voice Grade		
2 wire Entrance Facility	$281	$97
4 wire Entrance Facility	$295	$106
I/O Channel - Fixed	$87	$87
DS1		
Entrance Facility	$745	$335
I/O Channel - Fixed	$200	$200
DS3		
Entrance Facility	$1,118 **	$503 **
I/O Channel - Fixed	$300 **	$300 **
	Initial	**Subseq**
Multiplexing		
DS1 to Voice	$185	$500
DS3 to DS1	$278 **	$750 **

SWITCHED ACCESS LOCAL TRANSPORT

	MRC
Line/Trunk Installation, per BANOC	$10.00

	MRC
Line/Trunk Installation, per line or trunk	$300.00 ***

* Weighted average rates. See page 2 of 2 for calculations.
** 1.5 times the DS1 MRC.
*** $10.00 per BANOC times an assumed 30 BANOCs per line or trunk.

SPRINT / CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 4 OF ATTACHMENT 3
PAGE 1 OF 1

INTERCONNECTION RATE

Description	
1. Common Revenues	$70,000
2. Dedicated Revenue	$188,536
3. Entrance Facility Revenues	$137,655
4. Total (Sum of Line 1 thru 3)	$396,191
5. 1992 Transport IAS Revenue	$5,718,541
6. RIC Revenue Line 5 - Line 4	$5,322,350
7. 1992 IAS Local Transport MOU	422,376,444
8. RIC Rate Line 6/ Line 7	$0.012601
9. RIC Percent Line 6/ Line 5	93.07%

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
EXHIBIT 5 OF ATTACHMENT 3
PAGE 1 OF 2

NONRECURRING CHARGES

SPECIAL ACCESS

	First	Add'l
Voice Grade		
2 wire Local Channel	$281 *	$97 *
4 wire Local Channel	$295 *	$106 *
I/O Channel - Fixed	$87	$87
1.544		
Local Channel	$745	$335
I/O Channel - Fixed	$200	$200
3.152		
Local Channel	N/A	N/A
I/O Channel - Fixed	N/A	N/A
	Initial	Subseq
Multiplexing		
DS1 to Voice	$185	$500
DS3 to DS1	N/A	N/A

SWITCHED TRANSPORT

	First	Add'l
Voice Grade		
2 wire Entrance Facility	$281	$97
4 wire Entrance Facility	$295	$106
I/O Channel - Fixed	$87	$87
DS1		
Entrance Facility	$745	$335
I/O Channel - Fixed	$200	$200
DS3		
Entrance Facility	$1,118 **	$503 **
I/O Channel - Fixed	$300 **	$300 **
	Initial	Subseq
Multiplexing		
DS1 to Voice	$185	$500
DS3 to DS1	$278 **	$750 **

SWITCHED ACCESS LOCAL TRANSPORT

	NRC
Line/Trunk Installation, per SWMDC	$10.00

	NRC
Line/Trunk Installation, per line or trunk	$300.00 ***

* Weighted average rates. See page 2 of 2 for calculations.
** 1.5 times the DS1 NRC.
*** $10.00 per SWMDC times an assumed 30 SWMDCs per line or trunk.

CALCULATION OF SPECIAL ACCESS
VOICE GRADE LOCAL CHANNEL
WEIGHTED AVERAGE MRCs

	FIRST MRC	ADDITIONAL MRC
2 wire - Voice	$270 x 0.555 = $150	$87 x 0.555 = $48
2 wire - Data	$295 x 0.445 = $131	$109 x 0.445 = $49
	$281	$97

	FIRST MRC	ADDITIONAL MRC
4 wire - Voice	$275 x 0.200 = $55	$97 x 0.200 = $19
4 wire - Data	$300 x 0.800 = $240	$109 x 0.800 = $87
	$295	$106

NOTE: The weighting factors used above were the same ones used in calculating the weighted average recurring charges as shown in Exhibit 1 of Attachment 3.

SPRINT/CENTEL - FLORIDA
LOCAL TRANSPORT RESTRUCTURE
ATTACHMENT 4
PAGE 1 OF 1

PRICEOUT
CURRENT AND PROPOSED

Proposed Rate Elements	Proposed Rate	Demand	Revenue
Interconnection	$0.012601	422,376,444	$5,322,366
Entr. Facility – Voice	$28.54	0	
Entr. Facility – DS1	$112.70	324	$36,461
Entr. Facility – DS3	$1,360.00	61	$82,906
Direct Trunked Fixed – Voice	$25.65	0	
Direct Trunked Per Mile – Voice	$1.42	0	
Direct Trunked Fixed – DS1	$51.50	405	$20,858
Direct Trunked Per Mile – DS1	$21.64	5,877	$127,179
Direct Trunked Fixed – DS3	$448.00	31	$13,664
Direct Trunked Per Mile – DS3	$188.00	143	$26,892
Tandem Switched Termination	$0.000139	45,557,666	$6,314
Tandem Switched Facility	$0.000040	798,429,229	$31,993
Tandem Switching	$0.004530	6,996,413	$31,694
Multiplexing – DS1 to Voice	$200.95	0	
Multiplexing – DS3 to DS1	$300.00	61	$18,288
		TOTAL	$5,718,612

Current Rate Elements	Current Rate	Demand	TOD Discount	Revenue
Local Transport	$0.016000	422,376,414	0.84618544	$5,718,541
		TOTAL		$5,718,541

CALCULATION OF SPECIAL ACCESS
VOICE GRADE LOCAL CHANNEL
WEIGHTED AVERAGE MRCs

	FIRST MRC	ADDITIONAL MRC
2 wire - Voice	$270 x 0.555 = $150	$87 x 0.555 = $48
2 wire - Data	$295 x 0.445 = $131	$109 x 0.445 = $49
	$281	$97

	FIRST MRC	ADDITIONAL MRC
4 wire - Voice	$275 x 0.200 = $55	$97 x 0.200 = $19
4 wire - Data	$300 x 0.800 = $240	$109 x 0.800 = $87
	$295	$106

NOTE: The weighting factors used above were the same ones used in calculating the weighted average recurring charges as shown in Exhibit 1 of Attachment 3.

ADJUSTMENT IN RIC TO INCORPORATE BHMOC REVENUE

1	1992 Intrastate Local Transport Minutes of Use	422,376,444
2	1992 BHMOC Revenue	$2,067,551
3	BHMOC Revenue per MOU (Line 1 / Line 2)	$0.004895
4	RIC (from Exhibit 4 of Attachment 3)	$0.012601
5	Proposed RIC (Line 3 + Line 4)	$0.017496

E2. GENERAL REGULATIONS

E2.3.15 Determination of Intrastate Charges for Mixed Interstate and Intrastate Switched Access Service

A. When mixed interstate and intrastate Switched Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) including optional feature charges, will be prorated between interstate and intrastate. The percentage provided in the reports as set forth in E2.3.14.A preceding will serve as the basis for prorating the charges. The intrastate percentage will change as revised jurisdictional reports are submitted. The percentage of a Switched Access Service to be charged as intrastate is applied in the following manner:

1. For monthly and nonrecurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated tariff rate per element.

2. For usage sensitive (i.e., access minutes and calls) chargeable rate elements, multiply the percent intrastate use times the actual use (i.e., measured or Company assumed average use) times the stated tariff rate.

E2.4 Payment Arrangements and Credit Allowances

E2.4.1 Payment of Rates, Charges and Deposits

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

Such a deposit will be refunded or credited to the IC's customer's account when the IC customer has established credit or, in any event, after the IC customer has established a one-year prompt payment record at any time prior to the termination of the provision of the service to the IC customer. In case of a cash deposit, for the period the deposit is held by the Company, the IC customer will receive interest at the same percentage rate as that set forth in B.3.a. or in B.3.b following whichever is lower. The rate will be compounded daily for the number of days from the date the IC's customer's deposit is received by the Company to and including the date such deposit is credited to the IC's customer's account or the date the deposit is refunded by the Company. Should a deposit be credited to the IC's customer's account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the IC's customer's account.

B. The Company shall bill on a current basis all charges incurred by and credits due to the IC customer under this Tariff attributable to services, including, but not limited to the Trouble Location Charge as set forth in E13.3.1 following, established or discontinued during the preceding billing period (e.g., Special Access and Switched Access Entrance Facility, Direct-Trunked Transport and Multiplexing). In addition, the Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage (e.g., Switched Access Interconnection Charge, Tandem-Switched Transport, Local Switching and Line Termination), and for the Federal Government which will be billed in arrears. The bill day (i.e., the billing date of a bill for an End User or IC customer for Access Service under this Tariff), the period of service each bill covers and the payment date will be as follows:

Issued: ~~November 16, 1993~~ Effective: ~~January 16, 1993~~

By: ~~C. Dean Kurtz~~ F. B. Poag
~~General Regulatory/Planning Manager~~ Director
~~Tallahassee, Florida~~

E2. GENERAL REGULATIONS

E2.4 Payment Arrangements and Credit Allowances (Cont'd)

E2.4.2 Minimum Periods

A. The minimum periods for which services are provided and for which rates and charges are applicable are set forth in *Sections* E5., E6. and E7. following, for Switched and Special Access Services; in *Section* E8. following, for Billing and Collection Services; *in Section E13. following, for Scheduled Testing*; and, in *Section* E14. following for Special Construction.

B. The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis, as set forth in *Section* E12. following is one month unless a different minimum period is established with the individual case filing.

C. When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance.

E2.4.3 Cancellation of an Order for Service

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

E2.4.4 Credit Allowance for Service Interruptions

A. General

A service is interrupted when it becomes unusable to the ~~IC or End User~~ customer because of a failure of a facility component used to furnish service under this Tariff, or in the event that the protective controls applied by the Company result in the complete loss of service by the ~~IC or End User~~ customer as set forth in E6.5.1 following. An interruption period starts when an inoperative service is reported by the ~~IC~~ customer and ends when the service is operative.

B. When a Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the ~~IC or End User~~ customer, shall be as follows:

1. For Switched Access Entrance Facilities and Direct-Trunked Transport and for Special Access Services no credit shall be allowed for an interruption of less than 30 minutes. The ~~IC or End User~~ customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues.

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

   a. For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., local channel, channel interface, channel mileage and optional features).
   b. For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a connecting channel between the Hub and ~~IC or End User~~ customer premises and associated channel interface, channel mileage and optional features and functions.)

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~~Tallahassee, Florida~~

E2. GENERAL REGULATIONS

E2.4 Payment Arrangements and Credit Allowances (Cont'd)

E2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

1. (Cont'd)

c. For multiplexed services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the local channel to the Hub and its associated channel interface, channel mileage and optional features and functions, including the multiplexer, and the local channels from the Hub and their associated channel interfaces, channel mileages and optional features and functions). When the service which rides a channel of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to ~~IC-or-End-User~~ the customer premises (i.e., local channel, channel interface, channel mileage and optional features and functions).

2. For Program Audio Special Access Services, no credit shall be allowed for an interruption of less than 30 seconds. ~~The IC-or-End-User~~ customer shall be credited for an interruption of 30 seconds or more as follows:

a. For two-point services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.

b. For multipoint services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for each connecting channel and associated channel interface, channel mileage and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.

c. For multipoint services, the credit for the monthly charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.

d. When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one interruption.

3. For usage-rated Switched Access Service and Directory Assistance Service, no credit shall be allowed for an interruption of less than 24 hours. ~~The IC-or-End-User~~ customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of the applicable monthly rates or minimum monthly usage charge for each period of 24 hours or major fraction thereof that the interruption continues.
4. The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the monthly rate and the minimum monthly usage charge for the service interrupted in any one monthly billing period.
5. For certain Special Access Services (Wideband Digital, WD1-4; Digital Data Access, DA1-4; and High Capacity, HCI) any period during which the error performance is below that specified for the service will be considered as an interruption.
6. Service interruptions for Specialized Service or Arrangements provided under the provisions of E12. following shall be administered in the same manner as those set forth in this section E2.4.4 unless other regulations are specified with the individual case filing.

T-93-727

CENTRAL TELEPHONE COMPANY OF FLORIDA | ACCESS SERVICE TARIFF | First Revised ~~Original~~ Page 1 Cancels Original Page 1

ISSUED: ~~November 16, 1993~~ EFFECTIVE: ~~January 16, 1993~~

BY: ~~C. Dean Kurtz~~ F. B. Poag

~~General Regulatory/Planning Manager~~ Director

~~Tallahassee, Florida~~

~~E4. CARRIER ACCESS CAPACITY~~

CONTENTS

CENTRAL TELEPHONE COMPANY OF FLORIDA

ACCESS SERVICE TARIFF

Second ~~First~~ Revised Page 1
Cancels First Revised ~~Original~~ Page 1

ISSUED: ~~February 10, 1993~~
BY: ~~C. Dean Kurtz~~ F. B. Poag
~~General Regulatory/Planning Manager~~ Director
~~Tallahassee, Florida~~

EFFECTIVE:

~~E4. CARRIER ACCESS CAPACITY~~

~~The Company will provide Carrier Access Capacity to ICs and End Users associated with the provision of Switched Access Service.~~

~~E4.1 General Description~~

~~A. Carrier Access Capacity is the busy hour minutes of capacity ordered by an IC or End User and provided by the Company for the purpose of furnishing interstate telecommunications service.~~

~~B. The capacity provided is based on the IC's and/or End User's order subject to the ordering regulations in sections E5. and E6. following.~~

~~C. The installation charge associated with the capacity ordered is set forth in E6.8. following.~~

~~E4.2 Limitations~~

~~A. A telephone number is not provided with Carrier Access Capacity.~~

~~B. Detail billing is not provided with Carrier Access Capacity.~~

~~C. Directory listings are not provided with Carrier Access Capacity.~~

~~D. Intercept arrangements are not provided with Carrier Access Capacity.~~

~~E4.3 Obligations of the IC~~

~~A. When the IC and/or End User reports interstate use of Switched Access Service, the associated Carrier Access Capacity used by the IC and/or End User for both interstate and intrastate will be apportioned as set forth in E2.3.14. preceding.~~

~~E4.4 Minimum Periods and Credit Allowances~~

~~A. Minimum Period~~

~~Minimum periods are described in detail in E5. following.~~

~~B. Allowance for Interruptions~~

~~When there is an interruption to the Carrier Access Capacity provided the IC and/or End User, the credit allowance for interruptions as set forth in E2.4.4. preceding apply.~~

~~C. Temporary Suspension of Service~~

~~There will be no suspension of service for Carrier Access Capacity.~~

~~E4.5 Rate Regulations~~

~~A. The Carrier Access Capacity charge will be billed on a monthly basis per ordered busy hour minute of capacity installed as of the billing date each month.~~

~~B. The application of premium, non-premium and transitional rates is as set forth in E6.7.13 following.~~

~~C. The Carrier Capacity charge in association with capacity used in the provision of FX/ONAL type services will be billed to the IC, except in those instances when there is no IC involved in providing the service, i.e., FGA FX/ONAL type service used for off network access associated with a Company provided private network switch. When there is no IC involved in providing the FGA FX/ONAL type service the end user will be billed the full Carrier Access Capacity charge without benefit of any transitional billing arrangement.~~

~~D. The Carrier Access Capacity charge in association with the provision of FGB type service to an End User(s) will be billed to the End User(s). The application of non-premium and transitional rates as set forth in E6.7.13 following are not applicable to End Users of FGB type service.~~

ISSUED:
BY: ~~C. Dean Kurtz~~ F. B. Poag
~~General Regulatory/Planning Manager~~ Director
~~Tallahassee, Florida~~

EFFECTIVE:

~~E4. CARRIER ACCESS CAPACITY~~

~~E4.6 Rates and Charges~~

~~A. Carrier Access Capacity Charge~~

	~~Monthly Rate~~	~~USOC~~
~~1. Busy hour capacity~~		
~~Per Minute~~	~~3.71~~	~~NA~~

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BY: ~~C. Dean Kurtz~~ F. B. Poag
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~~Tallahassee, Florida~~

EFFECTIVE: ~~April 12, 1993~~

T-93-727

E.5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.1 General

E5.1.1 Scope

A. This section sets forth the regulations and orders related to charges for Access Orders for Switched and Special Access Services. These charges are in addition to other applicable charges as set forth in other sections of this Tariff.

B. An Access Order is an order to provide the ~~IC~~ customer with Switched Access Service or an End User with Special Access Service or Feature Group B Switched Access Service or to provide changes to existing services.

C. The End User is ultimately responsible for the placing of an payment for all Special Access orders and Special Access charges as set forth in E7 and E13 following with the following exception. Payment for Special Access Service nonrecurring charges required as a result of an IC generated activity is the responsibility of the IC. IC generated activity is defined as the relocation of an IC POP.

D. The End User is responsible for the placing of and payment for Feature Group B Switched Access orders and charges as set forth in Sections E3 and E4 preceding and Section E6 following.

E5.1.2 Ordering Conditions

A. ~~An IC or End User~~ customer may order any number of services of the same type and between the same locations on a single Access Order. All details for services for a particular order must be identical except for multipoint service.

B. ~~The IC or End User~~ customer shall provide all information necessary for the Company to provide and bill for the requested service. In addition to the order information required in E5.2 following, ~~the IC or End User~~ customer must also provide:

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

C. Orders for Feature Group A Switched Access Service shall be in lines. Orders for Feature Group B Switched Access Service shall be in trunks. In addition, the order must indicate whether the Switched Transport ordered is for Entrance Facilities, Direct-Trunked Transport and/or Tandem-Switched Transport. For Direct-Trunked Transport, the order must specify the facility Hubs involved, channel type, channel interface, and any options desired.

D. ~~Orders for Feature Group B Switched Access Service shall be in trunks.~~

E. Dedicated Access Line service must be ordered in lines for use with a Feature Group C or D Switched Access Service which is in service or on order.

F. The day upon which ~~the IC or End User~~ customer has provided to the Company a firm commitment for the service and sufficient information to allow for the processing of the Access Order is the Application Date. On the Application Date the Company will establish a Service Date. The Service Date is the date on which service is to be made available to ~~the IC or End User~~ customer. The company will release a firm order confirmation to ~~the IC or End User~~ customer which includes critical date information not later than one business day following the Scheduled Issue Date.

G. The time required to provision the service (i.e., the interval between the Application Date and the Service Date) is known as the service interval. Such intervals will be established in accordance with published service date interval guidelines which are available to ~~ICs and End Users~~ customers upon request, whether ~~the IC's~~ customer's service is subject to standard or negotiated intervals. ~~The IC or End User~~ customer may request a service date other than that established pursuant to the service date interval guidelines, and the Company, where possible, will establish the service date in accordance with such request, subject, however, to other applicable provisions of this Tariff.

E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.1 Provision of Service (Cont'd)

A. General (Cont'd)

3. Other Services as set forth in E5.1.3 preceding.

B. Information Required

When placing an order for Access Service, the ~~IC, End User~~ customer or ~~End User's~~ customer's authorized agent shall provide, at a minimum, the following information:

1. For Feature Group A Switched Access Service, the ~~IC~~ customer shall specify:

   a. Number of Lines

   b. First point of switching (i.e., the dial tone office)

   c. Directionality of the service

   d. ~~Local~~ Switched Transport Options, if any

   e. Local Switching Options, if any

   f. Whether the off-hook supervisory signaling is to be provided by the ~~IC's~~ customer's equipment or if it is to be forwarded by the ~~IC's~~ customer's equipment when the called party answers.

   g. If the service is to be provided with an extension to a different exchange, (the ~~IC's~~ customer's premises ~~terminal location~~ at which the extension is to be terminated).

   h. Percent Intrastate Use

2. For Feature Group B Switched Access Service, the ~~IC~~ customer shall specify:

   a. The number of trunks

   b. For trunks to an end office, the end office

   c. For trunks to an Access Tandem

      (1) The Access Tandem Switch

      (2) An Estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem (to assist the Company in its own efforts to project further facility requirements.)

   d. ~~Local~~ Switched Transport Options, if any

   e. Local Switching Options, if any

   f. For terminating only access, whether the trunks are to be arranged in trunk group arrangements or provided as single trunks

   g. The traffic type using the categories specified in E6.1.1.F. following to enable efficient provisioning and billing functions.

E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.1 Provision of Service (Cont'd)

B. Information Required (Cont'd)

2. For Feature Group B Switched Access Service, the ~~IC~~ customer shall specify: (Cont'd)

   h. Percent Intrastate Use

3. For Feature Group C and D Switched Access Service, the ~~IC~~ customer shall specify:

   a. ~~The number of busy hour minutes of capacity (BHMC)~~ trunks from ~~the IC's terminal location~~ customer's premises to the end office by Feature Group and traffic type, unless service is ordered under b. following.

   b. For customers not ordering in accordance with a., preceding:

      (1) the number of FGD trunks

      (2) for trunks ordered to an end office, the end office

      (3) for trunks ordered to an Access Tandem

      - the Access Tandem Switch
      - an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem (to assist the Company in its own efforts to project further facility requirements).

   c. ~~Local~~ Switched Transport Options, if any

   d. Local Switching Options, if any

   e. The traffic type using the categories specified in E6.1.1.F. following, to enable efficient provisions and billing functions

   f. Percent Intrastate Usage, where required.

4. When ordering Operator Transfer Service, the ~~IC~~ customer shall specify the number of new or additional PGC or PGD trunks desired, if any, to carry originating traffic from the Operator Services System location to the ~~IC~~ customer location in each LATA served by the Operator Services System where the ~~IC~~ customer requests Operator Transfer Service.

C. Traffic Engineering Responsibilities

1. ~~When an IC orders FGD in trunks, t~~ The ~~IC~~ customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic. ~~When an IC orders in BHMC quantities, the Company assumes the traffic engineering responsibility and will determine the facilities required to meet the IC's BHMC requirement. Since only one party can carry out the requisite engineering, an IC cannot order some FGD Access in BHMC and other FGD Access in trunks in the same Access Tandem Network. If an IC wishes to convert its ordering basis in the Access Tandem Network from trunks to BHMC or BHMC to trunks, the Company will work cooperatively with the IC to make the conversion. There will be no charge for this conversion activity.~~

ISSUED: ~~November 16, 1992~~
BY: ~~C. Dean Kurtz~~ F. B. Poag
~~General Regulatory/Planning Manager~~ Director
~~Tallahassee, Florida~~

EFFECTIVE: ~~January 16, 1993~~

E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.1 Provision of Service (Cont'd)

C. Traffic Engineering Responsibilities (Cont'd)

~~2. When Switched Access Service is ordered in BHMC's, the BHMC may be determined by the IC in the following manner. For each day (8 AM to 11 PM, Monday through Friday excluding national holidays), the IC shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 AM hour). Saturdays and Sundays will be substituted for a weekday when the measured traffic load for the Saturday or Sunday consistently exceeds the traffic load for the least loaded weekday. The IC shall, for the same hour period (i.e., busy hour), pick the twenty consecutive business days during a calendar year which add up to the largest number of minutes of use. Both originating and terminating minutes shall be included. The IC shall then determine the average busy hour minutes of capacity (i.e., BHMC) by dividing the largest number of minutes of use figure for the same hour period for the twenty consecutive business day period by 20. This computation shall be performed by each end office the IC wishes to serve.~~

2 2. When Switched Access Service is ordered in trunks, the trunks quantity may be determined by the IC customer in the following manner. For each day the IC customer shall determine the highest number of trunks in use for a single hour. The IC customer shall, for the same hour period (i.e., busy hour), pick the twenty consecutive business days in a calendar year which add up to the largest number of trunks in use. The IC customer shall then determine the average busy hour trunks by dividing the largest number of trunks in use figure, for the same hour period, for the twenty consecutive business day period by 20. This computation shall be performed for each end office and/or access tandem the IC customer wishes to serve.

~~3~~3. If data to develop a twenty consecutive day period is not available, the IC customer may use a twenty day period that contains as many consecutive days as is available.

~~4~~4. When an IC customer desires Switched Access Service to an end office that is a remote switching office, the IC customer must order to the host office which controls the remote switching office since all traffic to and/or from a remote switching office must be routed through the host office.

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BY: ~~C. Dean Kurtz~~ P. B. Poag
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~~Tallahassee, Florida~~

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E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.3 Access Order Modifications (Cont'd)

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

C. If order modifications are necessary to satisfy the transmission performance for a Special Access Service ordered by ~~an IC or End User~~ customer, these changes will be made without order modification charges being incurred by the End user.

D. Service Date Change Charge

1. Access order service dates for installation of new services or rearrangements of existing services, may be changed, but the new service date may not exceed the original service date by more than 30 calendar days. When, for any reason, ~~the IC or End User~~ customer indicates that service cannot be accepted for a period not to exceed 30 calendar days, and the Company accordingly delays the start of service, a Service Date Change Charge will apply. If the ~~IC or End User~~ customer requested service date is more than 30 calendar days after the original service date, the order will be canceled by the Company and re-issued with appropriate cancellation charges applied unless ~~the IC or End User~~ customer indicates that billing for the service is to commence as set forth in E5.2.8 following.

   A new service date may be established that is prior to the original service date, if the Company determines it can accommodate ~~the IC's or End User's~~ customer's request without delaying service dates for orders of other ~~ICs or End Users~~ customers. If the service date is changed to an earlier date, ~~the IC~~ customer for Switched Access or ~~End User~~ for Special Access Service will be notified by the Company that Expedited Order Charges as set forth in G. following apply. Such charges will apply in addition to the Service Date Change Charge.

2. A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The applicable charge is:

	Nonrecurring Charge	USOC
(a) Service Date Change Charge, per Order	$26.21	OMC

E. Partial Cancellation Charge

1. Any decrease in the number of ordered Special Access Service channels or Switched Access Service Lines, or ~~Trunks or busy hour minutes of capacity~~ or WATS Access Lines will be treated as a partial cancellation and the charges as set forth in E5.2.4.B.4. following will apply.

E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.5 Selection of Facilities For Access Orders

A. When ~~an IC or End User~~ customer places an Access Order, it may choose to utilize facilities it previously purchased as a facility to a Hub. If ~~the IC~~ customer has a high capacity interface for use with Switched Access Service Interface Groups 3-10 2, or has a Special Access Service facility purchased to a Hub, the ~~IC or End User~~ customer must request that specific channels be used to implement the Access Order. If a facility assignment is not provided by the ~~IC or End User~~ customer, the Company will provide the service from available inventory as discussed in E5.3 following.

B. For all other Access Orders, the option to request a specific transmission path or channel is not provided, except as provided for under Special Facilities Routing as set forth in E11. following.

E5.2.6 Minimum Period

A. Except as set forth in *E2.4.2*, the minimum period for which charges are applicable for Access Service is one month.

B. Service Rearrangements as set forth in E6.7.1 and E7.4.1 following for Switched and Special Access Services respectively, may be made without a change in minimum period requirements.

C. Changes other than those identified in E6.7.1 or E7.4.1 following will be treated as a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges will apply for the new service. A new minimum period will be established for the new service. ~~The IC or End User~~ customer will also remain responsible for all outstanding minimum period obligations associated with the disconnected service.

The following changes are those which will be treated as a discontinuance and installation of service and for which a new minimum period will be established.

1. A move to a different building as set forth in E6.7.7 or E7.4.4 following.
2. A change in type of service (i.e., Switched Access to Special Access, one type of Special Access to another, or one type of Switched Access Feature Group to another except as set forth in E6.7.6 following).
3. A change in the type of Special Access Service Local Channel.
4. A change in Switched Access Service Interface Group.
5. Change in Switched Access Service traffic type.
6. Change from two-point to multipoint Special Access Service or from multipoint to two-point Special Access Service.

D. ~~An IC or End User~~ customer may request disconnect of an access service at any time after the service has been established. ~~The IC or End User~~ customer must give the Company at least one business day written or verbal notice prior to the desired disconnect date. The one business day notice period will begin on the date the Company first receives the disconnect notification, either written or verbal. The verbal notice must be followed by written confirmation within 10 days.

E. When Access Service is disconnected prior to the expiration of the minimum period, the ~~IC or End User~~ customer is obligated for payment of the minimum period charge as set forth in ***E2.4.9 preceding and*** E5.2.7 following. When Access Service is disconnected after the expiration of the minimum period, billing for the service will be performed in accordance with the provisions set forth in E2.4.1.C. preceding.

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E6. SWITCHED ACCESS SERVICE
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E6. SWITCHED ACCESS SERVICE
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E6. SWITCHED ACCESS SERVICE

E6.1 General

Switched Access Service, which is available to ICs customers for their use in furnishing their services to end users, provides a two-point electrical communications path between ~~an IC's terminal location~~ customer's premises and an end user's premises. It provides for the use of common terminating, common switching ~~and trunking facilities~~ switched transport, and both common subscriber plant and unshared subscriber plant (i.e., WATS access lines) of the Company. Switched Access Service provides for the ability to originate calls from an end user's premises to ~~an IC's terminal location~~ customer's premises, and to terminate calls from ~~an IC's terminal location~~ customer's premises to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in E6.1.1 and E6.1.3 following.

Rates and charges for Switched Access Service depend on the type of service ordered and whether it is provided in a Company end office that is equipped to provide equal access (Feature Group D Access, described in E6.1.1.D. following). Rates and charges for Switched Access Service are billed to the IC customer, except for Carrier Common Line and Switched Access charges associated with Switched Access Services used in the provisioning of FX/ONAL or in some cases Feature Group B type services which will be ordered by and billed directly to the End User of these services, as set forth in E6.8 following.

The application of rates for Switched Access Service is described in E6.7 following. Rates and charges for services other than Switched Access Service, e.g., ~~an IC's~~ customer's interLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in E6.2.1.A.7, E6.2.1.B.4, E6.2.2.A.5, E6.2.3.A.5, E6.2.4.A.4, and E6.7.10 following. Finally, a credit is applied against line side Switched Access Service charges as described in E6.7.11 following.

E6.1.1 Switched Access Service Arrangements and Manner of Provision

Switched Access Service is provided in six service categories *of* standard and optional features called Feature Groups, 800 Data Base Query Service and 900 Access Service. These are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Company entry switch, and the manner in which an end user accesses them in originating calling, e.g., with or without an access code. Following is a brief description of each type of service arrangement.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

A. Feature Group A (FGA)

FGA Access, which is available to ~~all ICs and End Users~~ customers of FX/ONAL Service, provides line side access to Company end office switches with an associated seven digit local telephone number for use in originating communications from or terminating communications to ~~an IC's~~ customer's intrastate service or a Company-provided, end office based, intrastate private network switching service. When associated with a Company-provided, end office based private network switch, end users must order FGA for off-network access.[1] When FGA access service is ordered by an end user for use with a Company provided private network switch, the end user must specify the ~~IC~~ customer that provides the interLATA links of the private network service. A more detailed description of FGA access is provided in E6.2.1 following.

B. Feature Group B (FGB)

FGB Access, which is available to ~~all ICs, and/or End Users~~ customers provides trunk side access to Company end office switches with an associated uniform 950-0XXX or 950-1XXX access code for ~~the IC's and/or End User's~~ customer's use in originating and terminating communications. A more detailed description of FGB Access is provided in E6.2.2 following.

Note 1: Any private switched network provided by the Company pursuant to a contract for a specified term and ordered by the customer prior to May 26, 1988 will be permitted to maintain its existing off-network access arrangements until the expiration of the current term of the contract. If the end user terminates his contract prior to its expiration date and replaces the Company-provided private network switch with a switch provided by an ~~IC at its terminal location~~ customer at their premises, the end user may continue the grandfathered off-network access arrangement with its new switch until the original expiration date of the terminated contract.

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

C. Feature Group C (FGC)

FGC Access, which is available only to providers of MTS and WATS, provides trunk side access to Company end office switches for the ~~IC's~~ customer's use in originating and terminating communications. This service is available in all end offices which are not equipped for Feature Group D End Office Switching. Existing FGC Access will be converted to Feature Group D Access when it becomes available in an end office. A more detailed description of FGC Access is provided in E6.2.3 following.

D. Feature Group D (FGD)

FGD Access, which is available to ~~all ICs~~ customers, provides trunk side access to Company end office switches with an associated uniform 10XXX access code for the ~~IC's~~ customer's use in originating and terminating communications. A more detailed description of FGD Access is provided in E6.2.4 following.

E. 800 Data Base Query Service

800 Data Base Query Service is an originating trunk side switched service that is available to the customer via FGD Access Tandem trunking groups. The service provides for the forwarding of end user dialed 800 calls to a Telephone Company Service Switching Point (SSP) which will initiate an 800 data base query to an 800 data base to perform the customer identification function. The call is forwarded to the appropriate customer based on information contained in the Switching Control Point 800 Data Base.

A more detailed description of 800 Data Base Query Service is provided in E6.2.6 following.

F. 900 Access Service

900 Access Service is an originating service that is provided via 900 Access Service Switched Access Trunk Groups. 900 Access Service Switched Access Trunk Groups will be provided in conjunction with FGC or FGD Access or in accordance with the technical characteristics of FGC or FGD Access. The service provides the ~~IC~~ customer identification function (900 NXX screening) based on the first six digits of the dialed 900 call, which determines the IC to which the call is to be routed based on the NXX dialed.

A more detailed description of 900 Access Service is set forth in E6.2.7 following.

G. Manner of Provision

Switched Access is furnished in either quantities of lines or trunks, ~~or in busy hour minutes of capacity (BHMCs)~~. FGA Access ~~and FGB Access are~~ is furnished on a per-line ~~or per trunk~~ basis, ~~and FGB, respectively.~~ FGC Access and FGD Access are furnished on a ~~BHMC or~~ per trunk basis as set forth in Section E5.2 preceding.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

~~IHMCs and~~ Trunks are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic is necessary for the Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the ~~IC~~ customer.

There are four major traffic types. There are: Originating, Terminating, Directory Assistance, and Inward Operator Services. The originating traffic type represents access capacity within a LATA for carrying traffic from the end user to the ~~IC~~ customer; the terminating traffic type represents access capacity within a LATA for carrying traffic from the ~~IC~~ customer to the end user; the Directory Assistance traffic type represents access capacity with a LATA for carrying Directory Assistance traffic from the ~~IC~~ customer to a Directory Assistance location; and the Inward Operator Services traffic type represents access capacity within a LATA for carrying Inward Operator Services traffic from the ~~IC~~ customer to the Inward Operator Services location.

E6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

~~When an End User(s) orders capacity for FGB Access, the End User must at a minimum specify such access capacity in terms of originating traffic type and/or terminating traffic type.~~

When ordering capacity for FGB Access, FGC Access or FGD Access, the ~~IC~~ customer must at a minimum specify such access capacity in terms of Originating traffic type and/or Terminating traffic type.

Because some ~~ICs~~ customers will wish to further segregate their originating FGC or FGD traffic into separate trunk groups, Originating traffic type is further categorized into Domestic, 800, 900, and Operator. Domestic traffic type represents access capacity for carrying only domestic traffic other than 800, 900 and Operator traffic; and 800, 900 and Operator traffic type represents access capacity for carrying, respectively, only 800, 900 or Operator traffic. When ordering such types of access capacity, the ~~IC~~ customer must specify Domestic, 800, 900 or Operator traffic type.

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.2 WATS Access Line Service

WATS Access Line Service is provided only for the use with Feature Group C and D Switched Access Service originating and terminating. WATS Access Line Service connects an end user premises with a WATS or WATS-type serving office.

One way, inward or outward, "1+" and "0" intraLATA usage carried over WATS Access Lines from this Tariff, having both intra and interstate capability (bijurisdictional) or from the Central Telephone Companies Tariff FCC No. 1 or other appropriate Local Exchange Carrier (LEC) interstate tariff, will be completed over LEC facilities at LEC intraLATA WATS/800 Service rates and subject to rules and regulations applicable to LEC intraLATA WATS and 800 Service. The "1+" and "0" intraLATA usage will be billed to the Customer (end user or IC) where the closed end of the bijurisdictional WATS Access Line is terminated. Customer billing information must be provided to the Company at the time the line is ordered. Local calling and seven digit access to originating intrastate FGA and FGB Service are prohibited.

E6.1.3 Rate Categories

There are ~~five~~ six rate categories which apply to Switched Access Service:

- Interconnection Charge (described in E6.1.3.A. following)
- ~~Local~~ Switched Transport (described in E6.1.3.~~A~~ B. following)
- Local Switching (described in E6.1.3.~~B~~ C. following)
- WATS Access Line (described in E6.1.3.~~C~~ D. following)
- Common Line (described in Section E3. preceding)
- 800 Data Base Query (described in E6.1.3.~~D~~ E. following)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

The following diagrams depicts a generic views, with the exception of 800 Data Base Query Service, of the components of Switched Access Service and the manner in which the components are combined to provide a complete access service.

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

A. Interconnection

The Interconnection rate element is assessed upon all customers for interconnecting with the Telephone Company's switched access network. The interconnection charge is usage rated and applied on a per access minute basis.

A B. Switched Local Transport

The Local Switched Transport rate category provides the transmission facilities between the IC's terminal location customer's premises and the end office switch(es) where the IC's customer's traffic is switched to originate or terminate the IC's customer's communications. For purposes of determining Local Switched Transport mileage, distance will be measured from the wire center that normally serves the IC's terminal location customer's premises to the end office switch(es).
Local Switched Transport is provides a two-way voice frequency transmission path composed of facilities determined by the Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the IC's terminal location customer's premises) and in the terminating direction (from the IC's terminal location customer's premises to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.
The Company will work cooperatively with the customer in determining (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, (2) the directionality of the service.
Switched Transport is comprised of an Entrance Facility, Direct-Trunked Transport, Tandem-Switched Transport, and various optional features and functions. Descriptions of the Switched Transport components are provided in (1) through (3) following.

1. Entrance Facility

An Entrance Facility provides the communications path between a customer's premises and the Telephone Company's serving wire center for that premises. The Entrance Facility is dedicated to the use of a single customer and is available for use with all line side and trunk side Switched Access services. An Entrance Facility is provided even if the customer's premises and the serving wire center are located in the same building.

The Entrance facility rate element includes the transmission medium of the facility as well as certain circuit equipment that is used at the ends of the facility and employed to provision the channels on the transmission medium. The Entrance Facility rate element that also includes an Interface Group, as set forth in 6.4.1 following, which defines the technical characteristics and types of signalling capability associated with the connection (i.e., voice grade, DS1 or DS3) that comprises the Entrance Facility. The following types of Entrance Facility are available:

In addition, when the IC has ordered Feature Group D in association with switched digital 56 kbps services switching capability feature as set forth in 6.8. following and where available, the Company will assure that facilities it provides are capable of supporting 56 kbps digital data. Local Transport is provided at the rates and charges set forth in E6.8.1.A. following. The application of these rates with respect to the different types of service is as set forth in E6.7.1. following.

1. Interface Groups

Ten Interface Groups are provided for terminating the Local Transport at the IC's terminal location. Each Interface Group provides a specified premises interface (e.g., two-wire, four-wire, DS1, etc.). Where transmission facilities permit, the individual transmission path between the IC's terminal location and the first point of switching may at the option of the IC be provided with optional features as set forth in 4. following.

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

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 type of service and whether the access service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd)

1. Entrance Facility (Cont'd)

a. Voice Grade Entrance Facility

Voice Grade Entrance Facility is provided in quantities of channels. Each Voice Grade channel provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 hertz (Hz) and may be terminated two-wire or four-wire. When a single Voice Grade channel is ordered to be terminated at a customer's premises where the premises is all-digital and requires a minimum digital interface level of 1.544 Mbps, the Telephone Company will provide the required interface where facilities are available.

Technical Specifications for Voice Grade may be found in Technical Reference Publications TR-TSY-000335 and PUB 41004.

b. DS1 Entrance Facility

DS1 Entrance Facility provides 24 channels for the transmission of nominal 56 Kbps or 1.544 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer.

Technical specifications for DS1 may be found in Technical Reference Publications TR-INS-000342, TP-76625 and PUB 6241.

c. DS3 Entrance Facility

DS3 Entrance Facility provides 28 DS1s or 672 channels for the transmission of nominal 44.736 Mbps isochronous serial data.

With DS3, an electrical interface will be installed at the customer's premises which provides an electrical signal with a transmission speed of 44.736 Mbps per channel.

Technical Specifications for DS3 may be found in Technical Reference Publications TR-INS-00342 and TP 76625.

2. Direct-Trunked Transport

Direct-Trunked Transport provides the communication path between the serving wire center of a customer's premises and an end office. Direct-Trunked Transport is dedicated to the use of a single customer and does not require switching at an access tandem. Direct-Trunked Transport is available for use with all line side and trunk side Switched Access services.

Direct-Trunked Transport is not available to end offices that lack recording and measuring capabilities needed to provide Direct-Trunked Transport. Direct-Trunked Transport is also not available for 800 Access Service when the required SSP function is located at the access tandem.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd)

2. Direct-Trunked Transport (Cont'd)

Direct-Trunked Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office when such facilities are not switched through an access tandem. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the inter-office links and employed to provision the channels on the transmission medium and circuit equipment used within the network to manage the circuits at intermediate locations.

Direct-Trunked Transport also provides for the transmission facilities between the Telephone Company's serving wire center and a hub that interconnects facilities for both Tandem-Switched Transmission and Direct-Trunked Transport.

3. Tandem-Switched Transport

Tandem-Switched Transport provides the communication path between the serving wire center of a customer's premises and an end office, and includes tandem switching functions. Tandem-Switched Transport also includes circuits dedicated to the use of a single customer (from the serving wire center to the access tandem) and circuits provided for the common use of all customers who have requested tandem switching (from the access tandem to the end office). Tandem-Switched Transport is available for use with all trunk side Switched Access services. Tandem-Switched Transport is not available for use with line side Switched Access services.

Tandem-Switched Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office that is switched through a tandem. Tandem-Switched Transport is composed of two subelements:

a. Tandem-Switched Transmission, which provides for the transmission facilities from the Telephone Company's serving wire center to an access tandem switch and from the Telephone Company's access tandem switch to an end office. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to derive the channels on the transmission medium, and circuit equipment used within the network to manage the circuits at intermediate locations.

b. Tandem Switching, which provides for use of the Telephone Company's access tandem.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd)

In addition, when the IC customer has ordered Feature Group D in association with switched digital 56 kbps services switching capability feature as set forth in 4.d. following and where available, the Company will assure that facilities it provides are capable of supporting 56 kbps digital data.

~~Local~~ Switched Transport is provided at the rates and charges set forth in E6.8.1.A. following. The application of these rates with respect to the different types of service is as set forth in E6.7.1. following.

4. Interface Groups

~~Ten Interface Groups are provided for terminating the Local Transport at the IC's terminal location. Each Interface Group provides a specified premises interface (e.g., two-wire, four-wire, DS1, etc.). Where transmission facilities permit, the individual transmission path between the IC's terminal location and the first point of switching may at the option of the IC be provided with optional features as set forth in 4. following.~~

Six interface groups are provided for terminating an Entrance Facility at the customer's premises. Interface groups define the transmission characteristics associated with the Entrance Facility and all transport facilities with which it is interconnected.

Network Channel (NC) codes, feature group and technical specifications provide the available supervisory signaling options. The combination of the interface group and supervisory signaling ordered will identify the appropriate premises interface code (network channel interface code). Feature group and technical specifications are set forth in Technical Reference TR-NWT-000334.

Depending upon the interface group chosen by the customer, multiplexing arrangements may also be required. When the customer requests interconnection of an Entrance Facility to a Direct- Trunked Transport or Tandem-Switched Transport, and the interconnecting facilities use connections with different capacities or bandwidths, multiplexing arrangements are required to provide the interconnection. A multiplexing arrangement is also required to interconnect certain facilities with specific switch types. Multiplexing is available as set forth in 6.1.3.(B)(5)(a) following.

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

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 type of service and whether the access service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

~~B~~ A. ~~Local~~ Switched Transport (Cont'd)

~~1~~ 1. Interface Groups (Cont'd)

Only certain premises interfaces are available at the ~~IC terminal locations~~ customer's premises. The premises interfaces associated with the Interface Groups may vary among different types of service. The various premises interfaces which are available with the Interface Groups, and the type of service with which they may be used, are set forth in E6.1.3. following.

a. Interface Group 1 (USOC TPP1X)

Interface Group 1, except as set forth in the following, provides two-wire voice frequency transmission at the point of termination at the ~~IC terminal location~~ 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 FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the ~~IC terminal location~~ customer's 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.

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

b. Interface Group 2 (USOC TPP2X)

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the ~~IC terminal location~~ 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.

The transmission path between the point of termination at the ~~IC terminal location~~ customer's 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 approximately 300 to 3000 Hz.

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

~~B~~ a. ~~Local~~ Switched Transport (Cont'd)

~~1~~ i. Interface Groups (Cont'd)

b. Interface Group 2 (USOC TPP2X) (Cont'd)

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

c. Interface Group 3 (USOC TPP3X)

Interface Group 3 provides a group level analog transmission at the point of *termination* at the ~~IC terminal location~~ customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to *108* kHz, with the capability to channelize up to 12 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Company will provide multiplex equipment to derive 12 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

d. Interface Group 4 (USOC TPP4X)

Interface Group 4 provides supergroup level analog transmission at the point of *termination* at the ~~IC terminal location~~ customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Company use, e.g., pilot and carrier group alarm tones.

Before the first point of switching the Company will provide multiplex and channel bank equipment to derive 60 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

e. ~~Interface Group 5 (USOC TPP5X)~~

~~Interface Group 5 provides supergroup level analog transmission at the point of termination at the IC terminal location. The interface is capable of transmitting electrical signals between the frequencies of 564 to 3084 kHz, with the capability to channelize up to 600 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Company will provide multiplex and channel bank equipment to derive 600 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.~~
~~The interface is provided with individual transmission path SF supervisory signaling.~~

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

~~B~~ A. ~~Local~~ Switched Transport (Cont'd)

~~1~~ 1. Interface Groups (Cont'd)

i. Interface Group 9 (USOC TPP9X)

Interface Group 9 provides DS3 level digital transmission at the point of *termination* at the IC ~~terminal location~~ customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier termination is provided, the Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

j. ~~Interface Group 10 (USOC TPPAJ)~~

~~Interface Group 10 provides DS4 level digital transmission at the point of termination at the IC terminal location. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Company will provide multiplex and channel bank equipment to derive up to 4032 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Company will provide, at the first point of switching, DS1 signals in D3/D4 format.~~

~~The interface is provided with individual transmission path bit stream supervisory signaling.~~

~~2~~ 2. Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interface codes are available as a function of the Company switch supervisory signaling and Feature Group. For explanations of these codes, see 3. following.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B A. Local Switched Transport (Cont'd)

5 3. Available Premises Interface Codes (Cont'd)

b. Interface Group 2 (Cont'd)

Company Switch Supervisory Signaling	Premises Interface Code	Feature A	Group B	C	D
~~LO, GO~~	~~8EB2-E~~	~~X~~			
~~LO, GO~~	~~8EB2-M~~	X			
LO, GO	6EX2-B	X			
RV, EA, EB, EC	4SP2		X	X	X
~~RV, EA, EB, EC~~	~~4SP3~~		X		
RV, EA, EB, EC	4DX2	X	X	X	
~~RV, EA, EB, EC~~	~~4DX3~~	~~X~~			
~~RV, EA, EB, EC~~	~~6DX3~~		X		
RV, EA, EB, EC	6EA2-E		X	X	X
RV, EA, EB, EC	6EA2-M		X	X	X
RV, EA, EB, EC	8EB2-E		X	X	X
RV, EA, EB, EC	8EB2-M		X	X	X
EA, EB, EC	8EC2-M			X	X
RV	4RV2-O		X	X	X
RV	4RV2-T		X	X	X
~~RV~~	~~4RV3-O~~	~~X~~	~~X~~		
~~RV~~	~~4RV3-T~~	~~X~~	~~X~~		
CCS	4NO2			X	

c. Interface Group 3

LO, GO	4AH5-B	X			
RV, EA, EB, EC	4AH5-B		X	X	X
CCS	4AH5-B				X

d. Interface Group 4

LO, GO	4AH6-C	X			
RV, EA, EB, EC	4AH6-C		X	X	X
CCS	4AH6-C				X

e. ~~Interface Group 6~~

~~LO, GO~~	~~4AH6-D~~	~~X~~			
~~RV, EA, EB, EC~~	~~4AH6-D~~		~~X~~	~~X~~	~~X~~
~~CCS~~	~~4AH6-D~~				~~X~~

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

~~B~~ A. ~~Local~~ Switched Transport (Cont'd)

~~5~~ a. Available Premises Interface Codes (Cont'd)

Company Switch Supervisory Signaling	Premises Interface Code	Feature A	B	C	D	Group
f. Interface Group 6						
LO, GO	4DS9-15	X				
LO, GO	4DS9-15L	X				
RV, EA, EB, EC	4DS9-15		X	X	X	
RV, EA, EB, EC	4DS9-15L		X	X	X	
CCS	4DS9-15				X	
CCS	4DS9-15N				X	
CCS	4DS9-1BN				X	
CCS	4DS9-15B				X	
~~g. Interface Group 7~~						
~~LO, GO~~	~~4DS9-31~~	~~X~~				
~~RV, EA, EB, EC~~	~~4DS9-31~~		~~X~~	~~X~~	~~X~~	
~~LO, GO~~	~~4DS9-31L~~	~~X~~				
~~RV, EA, EB, EC~~	~~4DS9-31L~~		~~X~~	~~X~~	~~X~~	
~~CCS~~	~~4DS9-31~~				~~X~~	
~~h. Interface Group 8~~						
~~LO, GO~~	~~4DS9-63~~	~~X~~				
~~LO, GO~~	~~4DS9-63L~~	~~X~~				
~~RV, EA, EB, EC~~	~~4DS9-63~~		~~X~~	~~X~~	~~X~~	
~~RV, EA, EB, EC~~	~~4DS9-63L~~		~~X~~	~~X~~	~~X~~	
~~CCS~~	~~4DS9-63~~				~~X~~	
i. Interface Group 9						
LO, GO	4DS6-44	X				
LO, GO	4DS6-44L	X				
RV, EA, EB, EC	4DS6-44		X	X	X	
RV, EA, EB, EC	4DS6-44L		X	X	X	
CCS	4DS6-44				X	
~~j. Interface Group 10~~						
~~LO, GO~~	~~4D66-27~~	~~X~~				
~~LO, GO~~	~~4D66-27L~~	~~X~~				
~~RV, EA, EB, EC~~	~~4D66-27~~		~~X~~	~~X~~	~~X~~	
~~RV, EA, EB, EC~~	~~4D66-27L~~		~~X~~	~~X~~	~~X~~	

Where offered, switched digital 56 kbps services switching capability transmission is provided only with Feature Group D using Interface Groups 6 through ~~10~~ 9. Following is a matrix showing for Interface Groups 6 through ~~10~~ 9 which premises interface codes are available as a function of the switched digital 56 kbps services level of digital transmission.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B A. ~~Local~~ Switched Transport (Cont'd)

5 2. Available Premises Interface Codes (Cont'd)

Interface Groups	Level of Transmission	Premises Interface Code
6	DS1	04DS9-15
~~7~~	~~DS1C~~	~~04DS9-31~~
~~8~~	~~DS2~~	~~04DS9-63~~
9	DS3	04DS6-44
~~10~~	~~DS4~~	~~04DS6-37~~

6 3. Premises Interface Codes

a. This paragraph explains the facility interface codes set forth in 2. preceding that the ~~IC~~ customer can specify when ordering Switched Access Service. Included is an example which explains the specific characteristics of the code, a glossary of premises interface codes and impedance levels.

Example: If the ~~IC~~ customer specifies a 4EA3-E premises interface at the ~~IC terminal location~~ customer premises, it is requesting the following:

4 ..... Number of Physical wires at ~~IC terminal location~~ customer premises

EA .... Premises interface code for Type I, E&M lead signaling

3 ..... Impedance

E ..... ~~IC~~ Customer at point of termination or end user at network interface

b. Glossary of Premises Interface Codes and Options

AH	Analog high capacity interface
- B	60 KHz to 108 KHz (12 channels)
- C	312 KHz to 552 KHz (60 channels)
- D	564 KHz to 3084 KHz (600 channels)
DS	Digital hierarchy interface
- 15	1.544 Mbps (DS1) format per PUB 41451 plus D4
- 15L	1.544 Mbps (DS1) with SF signaling

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B ~~A. Local~~ Switched Transport (Cont'd)

6 ~~3~~. Premises Interface Codes (Cont'd)

b. Glossary of Premises Interface Codes and Options (Cont'd)

~~- 27 274.176 Mbps (DS4)~~
~~- 27L 274.176 Mbps (DS4) with SF signaling~~
~~- 31 3.152 Mbps (DS1C)~~
~~- 31L 3.152 Mbps (DS1C) with SF signaling~~
- 44 44.736 Mbps (DS3)
- 44L 44.736 Mbps (DS3) with SF signaling
~~- 63 6.312 Mbps (DS2)~~
~~- 63L 6.312 Mbps (DS2) with SF signaling~~

DX Duplex signaling interface at ~~IC~~ customer point of *termination*

EA Type I, E&M lead signaling.
- E ~~IC~~ Customer at point of *termination* or ~~*IC's*~~ customer's end user at network *termination* originates on E lead.
- M ~~IC~~ Customer at point of *termination* or ~~*IC's*~~ customer's end user at network *termination* originates on M Lead.

EB Type II, E&M lead signaling.
- E ~~IC~~ Customer at point of *termination* or ~~*IC's*~~ customer's end user at network *termination* originates on E Lead.
- M ~~IC~~ Customer at point of *termination* or ~~*IC's*~~ customer's end user at network *termination* originates on M lead.

EC Type III, E&M signaling at ~~IC~~ customer terminal point of *termination*.

EX Tandem channel unit signaling for loop start or ground start
- A ~~IC~~ Customer supplies open end (dial *tone*, etc.) functions.
- B ~~IC~~ Customer supplies closed end (dial pulsing, etc.) functions.

GS Ground start loop signaling - closed end functions by ~~IC~~ customer or ~~*IC's*~~ customer's end user

LS Loop start loop signaling - closed end functions by ~~IC~~ customer or ~~*IC's*~~ customer end user

RV Reverse battery signaling
- O One way operation, originate by ~~IC~~ customer.
- T One way operation, terminate function by ~~IC~~ customer or ~~*IC's*~~ customer's end user.

SF Single frequency signaling within VF band at either ~~IC~~ customer point of *termination* or ~~*IC's*~~ customer's end user network *termination*

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B ~~A. Local~~ Switched Transport (Cont'd)

6 3. Premises Interface Codes (Cont'd)

c. Impedance

The nominal reference impedance with which the *channel will be terminated* for the purpose of evaluating transmission performance.

Value (ohms)	Code(s)
110	0
600	2
900	3
135	5
75	6
100	9

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B A. ~~Local~~ Switched Transport (Cont'd)

6 3. Premises Interface Codes (Cont'd)

d. Digital Hierarchy Facility Interface Codes

This premises interface is available only to ~~IC's~~ customers that select the multiplexed four-wire DSX-1 or higher facility interface option at the ~~IC terminal location~~ customer premises and provide subsequent system and channel assignment data.

The various digital bit rates in the digital hierarchy employ the facility interface code 4DS9, 4DS0 or 4DS6 plus the speed options indicated *following*:

Interface Code and Speed Option	Nominal Bit Rate (Mbps)	Digital Hierarchy Level
4DS9-15	1.544	DS1
4DS9-15L	1.544	DS1
~~4DS9-31~~	~~3.152~~	~~DS1C~~
~~4DS9-31L~~	~~3.152~~	~~DS1C~~
~~4DS9-63~~	~~6.312~~	~~DS2~~
~~4DS9-63L~~	~~6.312~~	~~DS2~~
4DS6-44	44.736	DS3
4DS6-44L	44.736	DS3
~~4DS6-97~~	~~274.176~~	~~DS4~~
~~4DS6-97L~~	~~274.176~~	~~DS4~~

7 ~~4~~. Nonchargeable Optional Features

Where transmission facilities permit, the Company will, at the option of the ~~IC~~ customer, provide the following optional features in association with ~~Local Transport~~ the interface groups listed in E6.1.3.B.1.A-I preceding. Only those interface groups referenced with each optional feature will be provided with that feature. ***The optional features are provided as set forth in E6.8.1.D. following.***

a. Supervisory Signaling

Where the transmission parameters permit, and where signaling conversation is required by the ~~IC~~ customer to meet its signaling capability, the ~~IC~~ customer may order an optional supervisory signaling arrangement for each transmission path provided as follows:

- 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

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

~~B~~ A. ~~Local~~ Switched Transport (Cont'd)

7 ~~4~~. Nonchargeable Optional Features (Cont'd)

a. Supervisory Signaling (Cont'd)

- For Interface Groups 6 through ~~10~~ 9

These Interface Groups may, at the option of the ~~IC~~ customer, be provided with individual transmission path SF supervisory signaling where such signaling is available in Company central offices. Generally such signaling is available only where the entry switch provides an analog, i.e., non digital, interface to the transport termination and a portion of the facility between the analog entry switch and ~~the IC's terminal location~~ customer's premises is analog.

b. ~~IC~~ Customer Specified Entry Switch Receive Level

This feature allows ~~the IC~~ customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference TR-NPL-000334. This feature is available with Interface Groups 2 through ~~10~~ 9 for Feature Groups A and B.

c. ~~IC~~ Customer Specification of ~~Local~~ Switched Transport Termination

This option allows ~~the IC~~ customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of ~~the Local~~ Switched Transport at the entry switch in lieu of a Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications.

d. Switched Digital 56 kbps Services

Where provided, this option allows an ~~IC~~ customer to establish a connection between ~~the IC's~~ customer's premises and a suitably equipped end user premises over facilities that are capable of transmitting 56 kbps digital data. This option requires the use of Interface Groups 6 through ~~10~~ 9. It is provided to suitably equipped electronic end offices or access tandems and is available only with Feature Group D.

8. Chargeable Optional Features

a. Multiplexing

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at Telephone Company designated Hubs arranged for multiplexing. All types of multiplexing may not be available at each Hub location.

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B A. Switched Local Transport (Cont'd)

8. Chargeable Optional Features (Cont'd)

a. Multiplexing

Listed below are the multiplexing arrangements offered with switched access.

DS1 to Voice

An arrangement that multiplexes twenty-four voice grade circuits to single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits.

DS3 to DS1

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits.

C B. Local Switching

The *Local Switching* rate *categories provide for (1)* the local end office switching, *i.e., the common switching functions associated with the various Switched Access Service arrangements, (2) the termination of local transport at end offices, (3) the termination of common lines and WATS Access Lines at end offices and (4) intercept functions, i.e., the termination of certain calls at a Company intercept operator or recording. This category includes usage sensitive rates and both chargeable and nonchargeable optional features.*

Various Common Switching, Transport Termination and WATS Access Line Service Termination optional features are available and are described in E6.3 following.

1. The Local Switching rate element provides for the use of end office switching equipment. *Usage sensitive rates are applied on a per minute of use basis.* It is divided into two categories:

   a. LS1 provides local switching *functions* for FGA and FGB.

   b. LS2 provides local switching *functions* for *FGC and FGD; 800 Access Service and 900 Access Service traffic originating from or terminating to an equal access end office; and 800 Access Service and 900 Access Service.*

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

~~C~~ B. Local Switching (Cont'd)

The application of these rates is set forth in E6.8.2.A. following.

2. The Line Termination rate element provides the terminations for the end user lines terminating in the local end office. There are two types of Line Terminations, i.e., Common Line Terminations and WATS Access Line Terminations. The WATS Access Line Terminations 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 and terminating 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.

   Line Termination rates are applied on an access minute basis, with no difference in rates for various types of terminations. Line Termination rates are set forth in E6.8.2.B. following. The application of these rates with respect to different types of service is as set forth in E6.7.1 following.

   In addition, there are also various types of originating and terminating WATS Access Line trunk side terminations that are available in lieu of standard line side terminations. Trunk side terminations are provided only in association with certain Line Termination optional features as specified following:

   a. Line Termination Optional Features:

      The Company will, at the option of the IC customer, provide the following Line Termination optional features in association with WATS Access Line Service.

      (1) E&M Supervisory Signaling

         The E&M Supervisory Signaling optional feature, which is available with four-wire originating and terminating WATS Access Lines, provides for E&M Type 1, Type 2 or Type 3 Supervisory Signaling in lieu of loop start or ground start Supervisory Signaling.

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

D C. WATS Access Line Service (WALS)

1. Description

a. The WATS Access Line Service rate category provides a connection between an end user premises (which for purposes of this Tariff include Centrex CO switches) and a Company switching office capable of performing the necessary screening functions for 800 Service, WATS or similar services.

b. WATS Access Line Service is arranged for either originating calling only or terminating calling only. It is provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling (i.e., facility interfaces). The choice of the type of signaling is at the option of the ~~IC~~ customer.

c. Service is provided as either effective two-wire or effective four-wire transmission paths. Each transmission path is provided with Standard Transmission Specifications and Data Transmission Parameters as set forth in E6.4 following.

2. Applications

a. *WATS* Access Line Service is provided only for use with Feature Group C or D Switched Access Service. It is for use at the closed end of an 800 Service or a WATS or similar type service.

3. Optional Features

a. At the option of the ~~IC~~ customer, the *WATS* Access Line may be ordered with the Improved Two-Wire Voice Transmission Specifications optional feature (guaranteed specifications are set forth in E6.4.3 following). Certain other features which may be provided in connection with WATS Access Lines are available under the Company's local and/or general exchange service tariffs. Examples are:

- End User access to a Company test line

- Speed Calling

E D. 800 Data Base Query Service

800 Data Base Query Service determines the customer to whom 800 calls will be routed. For all 1+800+NXX-XXXX calls, originated by an end user, the Telephone Company will route to an access tandem switch equipped to provide the customer identification function. Once customer identification has been established through 800 Data Base Query Service, the 800 call will be routed to the selected customer for completion. Rates applicable to 800 Data Base Query Service appear in Section E6.8.4 following.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.4 Special Facilities Routing

~~An IC~~ customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable Only) are set forth in *Section* E11. following.

E6.1.5 Design Layout Report

A. At the request of the ~~IC~~ customer, the Company will provide to ~~the IC~~ customer the makeup of the Company facilities and services provided ~~*from the IC's terminal location*~~ *customer's premises to the first point of switching*. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to ~~the IC~~ customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

E6.1.6 Acceptance Testing

A. When analog or a combination of analog and digital services are provided at voice grade frequency, the Company will, at ~~the IC's~~ customer's request, cooperatively test to the point of termination at no additional charge, the following parameters at the time of installation: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling. When ~~the Local~~ Switched Transport is provided with Interface Groups 2 through ~~10~~ 9, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in ~~Local~~ Switched Transport), balance parameters (equal level echo path loss) may also be tested.

B. When the service is provided totally via digital facilities (i.e., digital switch and digital transport), the Company will, at the ~~IC's~~ customer's request, cooperatively test at the time of installation the following at no additional charge: operational signaling for each circuit provided and loss for one circuit per di-group provided.

E6.1.7 Ordering Options and Conditions

A. The Access Order, as set forth in Section E5. preceding, is used in the provisioning of Switched Access. Also included in that section are other charges which may be associated with ordering Switched Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

E6.2 Provision and Description of Switched Access Service Arrangements

Switched Access Service is provided in four different Feature Group Arrangements. The provision of each Feature Group requires ~~Local~~ Switched Transport facilities and the appropriate Local Switching functions. There are various ~~Local~~ Switched Transport and Local Switching optional features available with the Feature Groups. ~~The Local~~ Switched Transport, Common Switching and Transport Termination optional features are available at all suitably equipped Company end office switches. In addition, WATS Access Lines may be provided, at the option of ~~the IC~~ customer, with Feature Groups C and D. WATS Access Line optional features are available in end offices designated as WATS serving offices.

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Feature Groups. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in E6.4.1 following.

E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

Feature Groups are arranged for either originating, terminating or two-way calling, based on the ~~IC~~ customer end office switching capacity ordered. Originating calling permits the delivery of calls from telephone exchange service locations to the ~~IC's terminal location~~ customer's premises. Terminating calling permits the delivery of calls from the ~~IC's terminal location~~ customer's premises to telephone exchange service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Company will determine the type of calling to be provided unless the ~~IC~~ customer requests that a different type of directional calling is to be provided. In such cases, the Company will work cooperatively with the ~~IC~~ customer to determine the directionality.

Following are detailed descriptions of each of the available feature groups. Each feature group is described in terms of its specific physical characteristics and calling patterns, the transmission specifications with which it is provided and the standard testing capabilities. Also listed are optional features which may be available depending upon the technological capability of the serving office.

E6.2.1 Feature Group A (FGA)

A. Description

1. FGA is provided in connection with Company electronic and electromechanical end offices. At the option of the ~~IC~~ customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.

2. FGA provides a line side termination at the first point of switching. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the ~~IC~~ customer.

3. The Company shall select the first point of switching, within the selected LATA, at which the line side termination is to be provided unless the ~~IC~~ customer requests a different first point of switching and Company facilities and measurement capabilities are available to accommodate such a request.

4. A seven digit local telephone number assigned by the Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

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

5. FGA switching, when used in the terminating direction is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the ~~IC~~ customer, be arranged for dial pulse or dual tone multifrequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.
6. No address signaling is provided by the Company when FGA switching is used in the originating direction. Address signaling in such cases, if required by the ~~IC~~ customer, must be provided by the ~~IC's~~ customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the ~~Local~~ Switched Transport provided.

E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

E6.2.1 Feature Group A (FGA) (Cont'd)

A. Description (Cont'd)

7. FGA switching, when used in the terminating direction, may be used to access valid NXXs in the EAEA, local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Company, community information services of an information service provider, and other ~~IC's~~ customer's services (by dialing the appropriate digits). Charges for FGA terminating calls requiring operator assistance on calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls; (2) calls to certain community information services, for which rates are applicable under Company exchange service tariffs; and (3) calls from a Feature Group A line to another ~~IC's~~ customer's service in accordance with that ~~IC's~~ customer's applicable service rates when the Company performs the billing function for that ~~IC~~ customer. For FGA calls to Directory Assistance (411 where available and 555-1212), Switched Access Service terminating usage rates will not apply. Instead, FGA calls to this service are subject to the Directory Assistance Access Service rates.

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

B. Optional Features

1. Common Switching Optional Features

   a. Hunt Group Arrangement

   b. Uniform Call Distribution Arrangement

   c. Nonhunting Number for use with Hunt Group Arrangement or *Uniform Call Distribution* Arrangement

   d. Call Denial

   e. Service Code Denial

   f. Enhanced Call Denial

2. Transport Termination Optional Features

   a. Two-way operation with dial pulse address signaling and loop start supervisory signaling

   b. Two-way operation with dial pulse address signaling and ground start supervisory signaling

E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

E6.2.1 Feature Group A (FGA) (Cont'd)

c. Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling

d. Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling

e. Terminating operation with dial pulse address signaling and loop start supervisory signaling

f. Terminating operation with dial pulse address signaling and ground start supervisory signaling

g. Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling

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

i. Originating operation with loop start supervisory signaling

j. Originating operation with ground start supervisory signaling

3. ~~Local~~ Switched Transport Optional Features

a. Supervisory Signaling (as set forth in E6.1.3 preceding)

b. IG Customer Specified Entry Switch Receive Level

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

a. Custom Calling Features

b. Extensions in the same local exchange as the dial tone office

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.1 Feature Group A (FGA) (cont'd)

C. Transmission Specifications

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C transmission Specifications are provided with Interface Groups 2 through ~~10~~ 9. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

D. Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in E6.1.6 preceding which are included with the installation of service, Additional Cooperative Acceptance Testing and NonScheduled Testing are available for FGA as set forth in *Section* E13. following.

E6.2.2 Feature Group B (FGB)

A. Description

1. FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch) is provided at appropriately equipped Company electronic end office switches. When provided via Company designated electronic access tandem switches, FGB switching is provided at Company electronic and electromechanical end office switches.

2. FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.

3. FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in E6.3 following, any other address signaling in the originating direction, if required by the ~~IC~~ customer, must be provided by the ~~IC's~~ customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Local Transport provided. Feature Group B switching provided with Automatic Number Identification (ANI) arrangements, provisioned to an End User(s) where facilities and billing capabilities permit, must be for the End User(s) own use and cannot be resold, pursuant to Florida Public Service Commission Docket No. 900823-TL, Order No. PSC-92-1081-FOF-TL, issued September 30, 1992.

4. The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-0XXX or 950-1XXX for ICs and/or End Users. These uniform access *codes* will be the assigned access numbers of all FGB switched access service provided to the ~~IC~~ customer by the Company.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.2 Feature Group B (FGB) (cont'd)

A. Description (Cont'd)

5. FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information services of an information service provider and other ~~IC's~~ customer's services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The ~~IC~~ customer and/or End User will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Company exchange service tariffs. Additionally, non-access charges will also be billed for calls from a FGB trunk to another ~~IC's~~ customer's service in accordance with that ~~IC's~~ customer's applicable service rates when the Company performs the billing for that ~~IC~~ customer. Calls in the terminating direction will not be provided to 950-0XXX or 950-1XXX access codes, local operator assistance (0- or 0+), Directory Assistance (411 where available and 555-1212), service codes (611 and 911 where available or 10XXX access codes). FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

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

7. When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.2 Feature Group B (FGB) (cont'd)

B. Optional Features

1. Common Switching Optional Features
   a. Automatic Number Identification (ANI)
   b. Up to 7 Digit Outpulsing of Access Digits to Customer
   c. Alternate Traffic Routing

2. Transport Termination Optional Features
   a. Rotary Dial Station Signaling

3. ~~Local~~ Switched Transport Optional Features
   a. IC Customer Specified Entry Switch Receive Level
   b. IC Customer Specification of ~~Local~~ Switched Transport Termination
   c. Supervisory Signaling (as set forth in E6.1.3)

C. Transmission Specifications
FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through ~~10~~ 9. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

D. Testing Capabilities
FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in E6.1.6 preceding which are included with the installation of service, Additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Non-Scheduled Testing *are available* as set forth in *Section* E13. *following*.

E6.2.3 Feature Group C (FGC)

A. Description

1. FGC is provided at all Company end office switches on a direct trunk basis or via Company designated access tandem switches. FGC switching is provided to the IC customer (i.e., providers of MTS and WATS) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided.

2. FGC is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, delay dial start-pulsing signals will be provided unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.3 Feature Group C (FGC) (cont'd)

A. Description (Cont'd)

3. FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such switches, the address signaling will be dial pulse, revertive pulse, immediate dial pulse or panel call indicator signaling, whichever is available. Up to 12 digits of the called party number dialed by the ~~IC's~~ customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the ~~IC terminal location~~ customer's premises where the Switched Access Service terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the ~~Local~~ Switched Transport provided.

4. No access code is required for FGC Switching. The telephone number dialed by the ~~IC's~~ customer's end user shall be a 7 or 10 digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the ~~IC's~~ customer's end users are is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX.

5. FGC switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information service~~s~~ of an information provider, and other ~~IC's~~ customer's services (by dialing the appropriate codes) when the services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by offices subtending the access tandem may be accessed. Where measurement capabilities exist, the ~~IC~~ customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Company exchange service tariffs. Additionally, non-access charges will also be billed for calls from a FGC trunk to another ~~IC's~~ customer's service in accordance with that ~~IC's~~ customer's applicable service rates when the Company performs the billing function for that ~~IC~~ customer. Calls in the terminating direction will not be completed to *950-0XXX or 950-1XXX* access codes, local operator assistance (0- or 0+), Directory Assistance (411 and 555-1212), service codes (611 and 911) and *10XXX* access codes. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C, or D.

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

7. A *WATS* Access Line may, at the option of the ~~IC~~ customer, be provided for use with FGC Switched Access Service. A *WATS* Access Line provides a connection between an ~~IC's~~ customer and user's premises and a Company end office switch capable of performing the necessary screening functions for 800 Service, WATS or similar services and is provided only for use at the closed end of such services.

   WATS Access Lines are arranged for either originating calling only or terminating calling only. They are provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of the type of signaling is at the option of the ~~IC~~ customer.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.3 Feature Group C (FGC) (cont'd)

A. Description (Cont'd)

7. (Cont'd)

WATS Access Lines are provided as either an effective two-wire or effective four-wire transmission path. Each transmission path is provided with Standard Transmission Specifications and Data Transmission Parameters as set forth in E6.4.1.D. and E6.4.2.C. following. At the option of the ~~IC~~ customer, the *WATS* Access Line may be ordered with the Improved Two-Wire Voice Transmission Specifications (guaranteed specifications are set forth in E6.4.3 following).

B. Optional Features

1. Common Switching Optional Features

a. Automatic Number Identification (ANI)

b. Service Class Routing

c. Dial Pulse Address Signaling

d. Revertive Pulse Address Signaling

e. Delay Dial Start-Pulsing Signaling

f. Immediate Dial Pulse Address Signaling

g. Alternate Traffic Routing

h. Trunk Access Limitation

i. End Office *End User* Line Service Screening for use with WATS Access Line Service

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.3 Feature Group C (FGC) (cont'd)

B. Optional Features (Cont'd)

1. Common Switching Optional Features (Cont'd)
   j. Hunt Group Arrangement for use with WATS Access Line Service
   k. Uniform Call Distribution Arrangement for use with WATS Access Line Service
   l. Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with WATS Access Line Service
   m. Band Advance Arrangement for use with WATS Access Line Service

2. Transport Termination Optional Features

   a. Operator Trunks - i.e., Coin, Non-Coin and Combined Coin and Non-Coin. (Non-Coin Trunks are provided at Company electronic and electro-mechanical and offices. Coin and Combined Coin and Non-Coin are provided only at Company electronic and offices and other Company end offices where equipment is available.)

3. ~~Local~~ Switched Transport Optional Features
   a. Supervisory Signaling (as set forth in E6.1.3)

4. WATS Access Line Termination Optional Features
   a. E&M Supervisory Signaling

C. Transmission Specifications

1. FGC is provided with either Type B or Type C Transmission Specifications as follows:

   a. When routed directly to the end office either Type B or Type C is provided.
   b. When routed to an access tandem only Type B is provided.
   c. Type B or Type C is provided on the transmission path from the access tandem to the end office.

2. Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through ~~10~~ 9, whether routed directly to an end office or to an access tandem.

3. Type DB Data Transmission Parameters are provided with FGC for the transmission path between the ~~IC's terminal location~~ customer's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission path between the ~~IC's terminal location~~ customer's premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

D. Testing Capabilities

FGC is provided, in the terminating direction where equipment is available with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in E6.1.6 preceding which are included with the installation service, Additional Cooperative Acceptance Testing, Non-Optional Automatic Scheduled Testing, Cooperative Scheduled Testing or Manual Scheduled Testing and Non-Scheduled Testing are available as set forth in Section E13. following for FGC.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.4 Feature Group D (FGD)

A. Description

1. FGD is provided at Company designated electronic end office switches whether routed directly or via Company designated electronic access tandem switches.

2. FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.

3. FGD switching is provided with multifrequency address signaling. Up to 12 digits of the called party number dialed by the ~~IC's~~ customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the ~~IC terminal location~~ customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Switched Transport provided.

4. FGD switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information services of an information service provider and other ~~IC's~~ customer's services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The ~~IC~~ customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Company exchange service tariffs.

   Additionally, non-access charges will also be billed for calls from a FGD trunk to another ~~IC's~~ customer's service in accordance with that ~~IC's~~ customer's applicable service rates when the Company performs the billing function for that ~~IC~~ customer.

   Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 or 555-1212) service codes 611 and 911 and 10XXX access codes. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

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

6. The access code for FGD switching is a uniform access code of the form 10XXX.
   These uniform access codes will be the assigned number of all FGD access provided to the ~~IC~~ customer by the Company.
   No access code is required for calls to an ~~IC~~ customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that ~~IC~~ customer as set forth in Section E13. following.
   Where no access code is required, the number dialed by the ~~IC's~~ customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the ~~IC's~~ customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.4 Feature Group D (FGD) (cont'd)

A. Description (Cont'd)

6. (Cont'd)

Where facilities permit, the ~~IC's~~ customer's operator can be reached by dialing 00.

When the 10XXX access code is used, FGD switching also provides for dialing the digit 0 for access to the ~~IC's~~ customer's operator, 911 for access to the Company's emergency reporting service, or at the ~~IC's~~ customer's option, the end-of-dialing digit (#) for cut-through access to the ~~IC's terminal locations~~ customer's premises.

7. FGD Switching will be arranged to accept calls from telephone exchange service locations without the need for dialing a 10XXX uniform access code. Each telephone exchange service line will be marked with a presubscription code to identify which 10XXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in Section E13. following.

8. A *WATS* Access Line may, at the option of the ~~IC~~ customer, be provided for use with FGD Switched Access Service. A *WATS* Access Line provides a connection between a ~~IC's~~ customer end user's premises and a Company end office switch capable of performing the necessary screening functions for 800 Service, WATS or similar services and is provided only for use at the closed end of such services.

WATS Access Lines are arranged for either originating calling only or terminating calling only. They are provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of the type of signaling is at the option of the ~~IC~~ customer.

WATS Access Lines are provided as either an effective two-wire or effective four-wire transmission path. Each transmission path is provided with Standard Transmission Specifications and DATA Transmission Parameters as set forth in E6.4.1.D and E6.4.2.C following. At the option of the ~~IC~~ customer, the WATS Access Line may be ordered with the Improved Two-Wire Voice Transmission Specifications (guaranteed specifications are set forth in E6.4.3 following).

9. When an ~~IC~~ customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the ~~IC~~ customer and the Company, the Company will, for 90 days, direct calls dialed by the ~~IC's~~ customer's end users using the ~~IC's~~ customer's previous FGB access code to the ~~IC's~~ customer's FGD access service. The ~~IC~~ customer must be prepared to handle normally dialed FGD calls as well as calls dialed with the FGB access code which require the ~~IC~~ customer to receive additional address signaling from the end user. Such calls will be rated as FGD.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.4 Feature Group D (FGD) (cont'd)

B. Optional Features

1. Common Switching Optional Features

   a. Automatic Number Identification (ANI)

   b. Service Class Routing

   c. Alternate Traffic Routing

   d. Call Gapping Arrangement

   e. Trunk Access Limitation

   f. End Office End User Line Service Screening for use with WATS Access Line Service

   g. Hunt Group Arrangement for use with WATS Access Line Service

   h. Nonhunting Number for use with Hunt Group Arrangement or Uniform Call distribution Arrangement for use with WATS Access Line Service

   i. Uniform Call Distribution Arrangement for use with WATS Access Line Service

   j. Band Advance Arrangement for use with WATS Access Line Service

   k. Switched digital 56 kbps

   l. Cut-Through

   m. Calling Party Number (CPN)

   n. Charge Number (CN)

   o. Carrier Selection Parameter (CSP)

2. Transport Termination Optional Features

   a. Operator Trunk, Full Feature Arrangement

3. ~~Local~~ Switched Transport Optional Features

   a. Supervisory Signaling (as set forth in E6.1.3)

   b. Switched digital 56 kbps

4. WATS Access Line Termination Optional Features

   a. E&M Supervisory Signaling

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.4 Feature Group D (FGD) (cont'd)

C. Transmission Specifications

1. FGD is provided with either Type A, Type B or Type C Transmission Specifications as follows:

   a. When routed directly to the end office either Type B or Type C is provided.

   b. When routed to an access tandem, only Type A is provided.

   c. Type A is provided on the transmission path from the access tandem to the end office.

2. Type C Transmission Specifications are provided with Interface Group 1. Type A and Type B Transmission Performances are provided with Interface Groups 2 through ~~10~~ 9.

3. Type DA Data Transmission Parameters are provided for the transmission path between the ~~IC terminal location~~ customer's premises and the access tandem end between the access tandem and the end office. Type DB Data Transmission Parameters are provided with FGD for the transmission path between the ~~IC terminal location~~ customer's premises and the end office when directly routed to the end office.

D. Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in E6.1.6 preceding which are included with the installation of service, Additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Non-Scheduled Testing, are available for FGD as set forth in E13. following.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.5 Reserved for Future Use

E6.2.6 800 Data Base Query Service

A. Service Description

800 Data Base Query Service is an originating trunk side switched service that is available to the ~~IC~~ customer via FGD access tandem trunk groups. The service provides for the forwarding of end user dialed 800 calls to a Telephone Company Service Switching Point (SSP) which will initiate an 800 data base query to an 800 data base to perform the customer identification function. The call is forwarded to the appropriate customer based on information contained in the Switching Control Point 800 Data Base. No access code is required for 800 Data Base Query Service. When the 800 call is originated by the end user, the Telephone Company will perform the 800 data base query on the dialed digits to determine the customer location to which the call is to be routed. The 800 data base query will be performed from suitably equipped access tandems. Once customer identification is established, the call will be routed to the customer. 800 calls may be routed to different customers based on the local access transport area in which the call originates, however, calls originating from an end office switch not included in the customer's area of service for 800 Data Base Query Service will not be completed.

B. Deleted

C. 800 Data Base Optional Service Features

In addition to the 1+800+NXX-XXXX call routing described in (A) preceding, at the customer's option, the Telephone Company will perform additional call routing service options as follows.

1. 800 to Local Exchange Number Translation

This option allows an 800 Access Service customer to specify standard local exchange telephone numbers for 800 call completion at the terminating end - when an 800 call is to be routed to a local exchange telephone number, the 800 Access Service customer must provide to its Responsible Organization or the 800 SMS, the full ten digit local exchange number (NPA-NXX-XXXX) to be associated with the 800 number and indicate to which carrier the local exchange telephone number is to be delivered. If the 800 to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as 1+800-NXX-XXXX dialed calls unless the customer also orders the non-chargeable Automatic Number identification feature.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.6 800 Data Base Query Service (Cont'd)

2. Customized 800 Call Routing

This option allows for routing to multiple carriers, or variable terminating locations for 800 call completion based on the following criteria.

- time of day
- day of week
- specific days of the year (e.g. December 25)
- percentage of traffic (in one percent increments)
- calling telephone number (unless technical limitations exist which do not provide for originating number identification)

With this option, 800 calls can be delivered to the carrier in either the direct dialed 800 number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten digit local exchange telephone number, if any, into the 800 SMS or provide such information to its Responsible Organization for handling. The rates for 800 Data Base Optional Service Features described above are applied on a per query basis as set forth in E6.8.4 following.

When a combination of one or more of the optional features is requested, only one such charge shall apply.

E6.2.7 900 Access Service

Originating 900 Access Service is a Trunk Side Switched Service that is available to the ~~IC~~ customer via 900 Access Service Trunk Groups. 900 Access Service Trunk Groups will be provided in conjunction with FGC or FGD Access or in accordance with the technical characteristics of FGC or FGD Access.

When a 1+900+NXX+XXXX call is originated by an end user, the Company will perform the ~~IC~~ customer identification function to determine the ~~IC~~ customer location to which the call is to be routed. The ~~IC~~ customer identification function will be available at suitably equipped end offices or access tandem switches. If a call originates from an end office switch not equipped to provide the ~~IC~~ customer identification function, the call will be routed to an access tandem, where the ~~IC~~ customer identification will be performed and the call routed to the ~~IC~~ customer based on the NXX.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.7 900 Access Service (Cont'd)

The manner in which 900 Access Service is provided depends on the status of the end office from which the service is provided (i.e., equipped with equal access capabilities or not equipped with equal access capabilities). When 900 Access Service is provided from an end office equipped with equal access capabilities, all such service will be provisioned in accordance with the technical characteristics available with Feature Group D, except when more than one tandem is employed in the transport of a 900 Access Service call for which standard transmission characteristics are not guaranteed. When 900 Access Service is provided from an end office not equipped with equal access capabilities, all such service will be provisioned in accordance with the technical characteristics available with Feature Group C or D, except when more than one tandem is employed in the transport of a 900 Access Service call for which standard transmission characteristics are not guaranteed.

Additionally, 900 Access Service usage measurement shall be in accordance with the regulations set forth in E6.7.8 following for Feature Groups C and D. Specifically, for usage originating from end offices not equipped with equal access capabilities, access minutes shall be measured in the same manner in which Feature Group C access minutes are measured. For usage originating from end offices equipped with equal access capabilities, access minutes shall be measured in the same manner in which Feature Group D access minutes are measured.

Unless prohibited by technical limitations of the ~~IC's~~ customer's terminating switch (e.g., different dialing plans), the ~~IC's~~ customer's 900 Access Service traffic may, at the option of the ~~IC~~ customer, be combined in the same trunk group arrangement with the ~~IC's~~ customer's non-900 Access Service traffic. When required by technical limitations, or at the request of the ~~IC~~ customer, a separate trunk group will be established for 900 Access Service. 900 Access Service calls originated as 0+, 0-, and 10XXX, originated using calling cards, and originated from Inmate Service, hotel/motel, Company Coin, and toll restricted stations will be blocked.

900 Access Service originating from equal access end offices with the ~~IC~~ customer identification function will be provided using Feature Group D signaling with overlap outpulsing. Feature Group D signaling may be provided with or without 10-digit ANI, but not in the same trunk group. 900 Access Service originating from equal access end offices without the ~~IC~~ customer identification function, or from end offices not having equal access capability, will be provided using traditional signaling.

For 900 Access Service traffic originating from an equal access end office with the ~~IC~~ customer identification function, Feature Group D parameters as specified in E6.2.4 preceding apply. For 900 Access Service traffic originating from all other end offices, Feature Group C parameters, as specified in E6.2.3 preceding apply.

Premises Interface Codes as set forth in E6.1.3 preceding for FGD also apply to 900 Access Service.

E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.7 900 Access Service (Cont'd)

The Company retains the right to administer its network in such a manner that the impact of traffic surges due to the peaked nature of 900 Access Service traffic on other access service traffic is minimized. Section E6.3.1.A.15 notwithstanding, the Company may, when it deems necessary, implement network management controls to insure acceptable service levels.

In order to ensure deployment of adequate protective network controls, the Company requires that ~~the IC~~ customer provide notification to the Company's Network Management Center at least two business days before any 900 Access Service event for which a substantial call volume is expected during a short period of time (e.g., media stimulated event). Notification should include the nature, time, duration and frequency of the event, an estimated call volume, and the 900 line number to be used.

~~The IC~~ customer is responsible for using 900 Access Service in accordance with this Tariff. 900 Access Service shall not be used for any communication which is prohibited by law, nor in any manner which is unlawful. It is not intended that 900 Access Service be used for any communication which implicitly or explicitly invites, describes, stimulates, arouses, or otherwise refers to sexual conduct, or which contains sexual innuendoes which arouse or attempt to arouse sexual desire. Nor is it intended that 900 Access Service be used or administered in conjunction with misleading, exploitative or similarly abusive business practices. ~~The IC~~ customer shall cooperate with the Company to resolve complaints which may result from such uses of 900 Access Service.

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E6. SWITCHED ACCESS SERVICE

E6.3. Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

C. Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Company end offices. It is available with Feature Group A. FGA services with different methods of providing off-hook supervisory signaling (i.e., provided by ~~IC's~~ customer's equipment vs. forwarded by ~~IC's~~ customer's equipment when the called party answers) cannot be mixed in the same hunt group arrangement.

D. Uniform Call Distribution Arrangement

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Company electronic end offices only. It is available with Feature Group A.

E. Nonhunting Number for use with Hunt Group or Uniform Call Distribution Arrangement

This option provides an arrangement for an individual line within a multiline hunt or Uniform Call Distribution group that provides access to that line within the hunt or Uniform Call Distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is provided in Company electronic end offices only. It is available with Feature Group A.

F. Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the ~~IC terminal location~~ customer's premises for calls originating in the LATA, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and an ~~IC's terminal location~~ customer's premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and an ~~IC's terminal location~~ customer's premises.

The seven digit ANI telephone number is available with Feature Groups B provided using direct-trunked transport and with Feature Group and C. With these Feature Groups, technical limitations may exist in Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multi party lines, coin stations and coinless pay telephones using Feature Group B, or when an ANI failure has occurred.

The ten digit ANI telephone number is only available with Feature Group D with multifrequency address signaling. The ten digit ANI telephone numbers consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multi party or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described as follows.)

With FGC, ANI is provided from end offices at which Company recording for end user billing is not provided, or where it is not required, as with 800 Service. It is not provided from end offices for which the Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, Information digits will be provided to the IC customer.

The Information digits identify:

Telephone number is the station billing number - no special treatment is required.

E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

F. Automatic Number Identification (ANI) (Cont'd)

Multiparty line-telephone number is a 4 or 8 party line and cannot be identified - number must be obtained via an operator or in some other manner.

ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner.

Hotel/Motel originated call which requires room number identification.

Coinless station, hospital, inmate, etc., call which requires special screening or handling by the ~~IC~~ customer, and

Call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment.

The ANI telephone number is the listed telephone number of the end user and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B, C, and D.

G. Up to 7 Digit Outpulsing of Access Digits to ~~IC~~ Customer

This option provides for the end office capability of providing up to 7 digits of the uniform access code (*950-0XXX or 950-1XXX*) to the ~~IC terminal location~~ customer's premises. The ~~IC~~ customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the ~~IC terminal location~~ customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

H. Cut-Through

This option allows End Users of the ~~IC~~ customer to reach the ~~IC's terminal location~~ customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the ~~IC~~ customer indicated by the 10XXX code upon receipt of the end of dialing digit (#). The Company will not record any other dialed digits for these calls. This option is available with FGD.

I. Revertive Pulse Address Signaling

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

The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.

The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the DC path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

K. Immediate Dial Pulse Address Signaling

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

L. Dial Pulse Address Signaling

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

M. Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to an ~~IC~~ customer designated terminal location premises, based on the line class of service (e.g., coin or hotel/motel) service prefix indicator (e.g., 0-, 0+, 01+, or 011+) or service access code (e.g., 800 or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

N. Alternate Traffic Routing

1. Multiple ~~IC~~ Customer Premises Alternate Routing

This option provides the capability of directing originating traffic from an end office (or approximately equipped access tandem) to a trunk group (the "high usage" group) to an ~~IC~~ customer designated terminal location premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second ~~IC~~ customer designated terminal location premises. The ~~IC~~ customer shall specify the last trunk CCS desired for the high usage group.

It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

2. End Office Alternate Routing When Ordered in Trunks

This option provides an alternate routing arrangement for ~~ICs~~ customers who order in trunks and have access for a particular feature group to an end office via two routes: one route via an access tandem and one direct route. The feature allows the ~~ICs'~~ customers' originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with FGB, FGC and FGD.

O. Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the ~~IC~~ customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls would be routed to reorder tone.

It is provided in all Company electronic end offices and where available in electromechanical end offices. It is available with Feature Groups C and D.

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

P. Call Gapping Arrangement

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

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

Q. Band Advance Arrangement for Use With WATS Access Line Service

This option, which is provided in association with two or more *WATS* Access Line Service (*WALS*) groups, provides for the automatic overflow of terminating calls to a *WALS* group, when that group has exceeded its call capacity, to another *WALS* group with a band designation equal to or greater than that of the overflowing *WALS* group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups C and D.

R. End Office End Use Line Service Screening for use with *WATS* Access Line Service

This *arrangement* provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX *on the basis of geographical bands selected by the Company*) which is in accordance with the end user's agreement with the ~~IC~~ customer, *e.g.*, WATS. This *arrangement* is provided in all Company *equal access* electronic end offices where *technically capable. This arrangement is also provided*, where available, *to providers of WATS* in electromechanical *and non-equal access electronic* end offices in which *WATS* Access *Lines are* provided. *All blocked calls will be routed to announcement recording*. It is available with Feature Groups C and D.

The Company will prohibit 10XXX dialing with the standard arrangement when requested by the ~~IC~~ customer.

S. Hunt Group Arrangement for Use With *WATS* Access Line Service

This option provides the ability to sequentially access one of two or more *WATS* Access Lines (e.g., 800 Service access lines) in the terminating direction, when the hunting number of the *WATS* Access Line Service group is forwarded from the ~~IC~~ customer to the Company. It is available with Feature Groups C and D. This feature is provided in all Company end offices in which *WATS* Access *Lines are* provided.

T. Uniform Call Distribution Arrangement for use with *WATS* Access Line Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available *WATS* Access Lines in the hunt group. Where available, this feature is only provided in Company electronic end offices in which *WATS* Access *Lines* are provided. It is available with Feature Groups C and D.

U. Nonhunting Number for Use With Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use With *WATS* Access *Lines*

This option provides an arrangement for an individual *WATS* Access Line within a multiline hunt or uniform call distribution group that provides access to that *WATS* Access Line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Company electronic end offices in which *WATS* Access *Lines are* provided. This option is available with Feature Groups C and D.

V. Enhanced Call Denial on Line or Hunt Group

This option allows for the screening of terminating PGA calls for the completion of calls within the LATA of the dial tone office in which the arrangement is provided. Calls will be completed to 411, 611, 911, 800, 555-1212, and NXX's within the LATA of the dial tone office in which the arrangement is provided. Calls will not be completed to 950-0XXX, 950-1XXX, 10XXX, interLATA operator assistance (0+, 00-), operator assistance (0-), 1+interLATA, 0/1+ 900. This feature is provided in all Company electronic end offices and, where available, in electromechanical end offices and is only available with PGA.

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

W. Switched digital 56 kbps services switching capability

Where available, this option provides for an end office or access tandem capability which allows a connection between the ~~IC's~~ customer's premises and a suitably equipped end user premises utilizing end office or access tandem switching that is capable of transmitting 56 kbps digital data. It is provided in suitably equipped electronic end offices or access tandems and is available only with Feature Group D.

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

X. RESERVED FOR FUTURE USE

Y. RESERVED FOR FUTURE USE

Z. RESERVED FOR FUTURE USE

E6.3.2 Transport Termination

A. Rotary Dial Station Signaling

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

B. Operator Trunk-Coin, Non-Coin or Combined Coin and Non-Coin

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

Coin

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

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

E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.2 Transport Termination (Cont'd)

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

Non-Coin

This arrangement provides for the routing of 0+, 0-, 1+ or 01+ prefixed originating non-coin calls requiring operator assistance to the ~~IC's terminal location~~ customer's premises. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option. The operator assistance non-coin calling arrangement is also normally ordered by the IC customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the IC's customer's operator services systems, rather than in the IC's customer's manual cord boards. When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory, inmate stations or other screening arrangements agreed to between the IC customer and the Company.

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.2 Transport Termination (Cont'd)

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

Combined Coin and Non-Coin

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

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

C. Operator Trunk-Full Feature

This option provides the operator functions available in the end office to the IC's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Transport Termination.

E6.4 ~~Transmission Specification~~ Service Provisioning

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. In addition, the WATS Access Line is provided with standard transmission specifications for two-wire and four-wire. The available transmission specifications are set forth in E6.4.1 following. Data Transmission Parameters are also provided with each Switched Access Service transmission path and WATS Access Line. The Company will, upon notification by the ~~IC~~ customer that the data parameters set forth in E6.4.2.A., B. or C. are not being met, conduct tests independently or in cooperation with the ~~IC~~ customer, and take any necessary action to insure that the data parameters are met.

In addition, the WATS Access Line may be optionally provided with Improved Two-Wire Voice Transmission Specifications as set forth in E6.4.3 following.

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

The transmission specifications contained in this section are immediate action limits. Acceptance limits are set forth in Technical Reference (PUB) TR-NPL-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.1 Standard ~~Transmission Specifications~~ Service Provisioning (Cont'd

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Feature Groups and the two Standard Transmission Specifications for *WATS* Access Lines. The specific application in terms of the Feature Groups and Interface Groups with which the Feature Group Standard Transmission Specifications are provided are set forth in E6.2.1.C., E6.2.2.C., E6.2.3.C. and E6.2.4.C. preceding.

E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.1 ~~Standard Transmission Specifications~~ Service Provisioning (Cont'd)

A. Type A Transmission Specifications

Type A Transmission Specifications *are* provided with the following parameters:

1. Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is +/-2.0 dB.

2. Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -1.0 dB to +3.0 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:

C-Message Noise	Route Miles
32 dBrnCO	less than 50
34 dBrnCO	51 to 100
37 dBrnCO	101 to 200
40 dBrnCO	201 to 400
42 dBrnCO	401 to 1000

4. C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBrnCO.

5. Echo Control

Echo Control, identified as Equal Level Echo Path 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 customer's Point of *Termination (POT)* to the end office or via an access tandem. It is equal to or greater than the following:

Routing Configuration	Echo Return Loss	Singing Return Loss
POT to Access Tandem	21 dB	14 dB
POT to End Office		
- Direct	N/A	N/A
- Via Access Tandem	16 dB	11 dB

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E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.1 ~~Standard Transmission Specifications~~ Service Provisioning (Cont'd)

B. Type B Transmission Specifications

Type B Transmission Specifications are provided with the following parameters:

1. Loss Deviation

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

	C-Message Noise[1]	
Route Miles	Type B1	Type B2
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
401 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.

Note 1: For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference *TR-NPL-000334*.

E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning(Cont'd)

E6.4.1 ~~Standard Transmission Specifications~~ Service Provisioning(Cont'd)

B. Type B Transmission Specifications (Cont'd)

5. Echo Control

Echo Control, identified as Impedance Balance for PGA and PGB and Equal Level Echo Path Loss for PGC and PGD 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 IC customer Point of *Termination (POT)* to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are equal to or greater than the following:

Routing Configuration	Echo Return Loss	Singing Return Loss
POT to Access Tandem		
- Terminated in 4-Wire trunk	21 dB	14 dB
- Terminated in 2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB
- Via Access Tandem		
For PGB access	8 dB	4 dB
For PGC access (Effective 4-Wire transmission path at end office)	16 dB	11 dB
For PGC access (Effective 2-Wire transmission path at end office)	13 dB	6 dB

C. Type C Transmission Specifications

Type C Transmission Specifications are provided with the following parameters:

1. Loss Deviation

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

E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.1 Standard ~~Transmission Specifications~~ Service Provisioning (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:

Route Miles	C-Message Noise[1] Type C1	Type C2
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
401 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.

5. Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss, is equal to or greater than the following:

Routing Configuration	Echo Return Loss	Singing Return Loss
POT to End Office - Direct	13 dB	6 dB

D. *WATS* Access Line Standard Transmission Specifications

1. Standard Two-Wire Voice Transmission Specifications

a. Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is + 4.0 dB.

Note 1: For Feature Groups C and D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference *TR-NPL-000334*.

E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.1 Standard ~~Transmission Specifications~~ Service Provisioning (Cont'd)

D. WATS Access Line Standard Transmission Specifications (Cont'd)

1. Standard Two-Wire Voice Transmission Specifications (Cont'd)

b. Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -3.0 dB to +9.0 dB.

c. C-Message Noise

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

Route Miles	C-Message Noise
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

d. Echo Control

Return Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	6.0 dB
SRL	3.0 dB

2. Standard Four-Wire Voice Transmission Specifications

a. Loss Deviation

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

b. Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -1.0 dB to +4.5 dB.

c. C-Message Noise

The Maximum C-Message Noise for the transmission path at the route miles listed is less than:

Route Miles	C-Message Noise
less than 50	37 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

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E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.1 ~~Standard Transmission Specifications~~ Service Provisioning (Cont'd)

D. *WATS* Access Line Standard Transmission Specifications (Cont'd)

2. Standard Four-Wire Voice Transmission Specifications (Cont'd)

d. Echo Control

The Equal Level Echo Path Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL 15.0 dB

SRL 9.0 dB

E6.4.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for Feature Group arrangements. The specific applications in terms of Feature Groups with which they are provided are set forth in B6.2.1.C., B6.2.2.C., B6.2.3.C. and B6.2.4.C. preceding. In addition, *WATS* Access Lines are provided with Data Transmission Parameters. Following are descriptions of each.

E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.2 Data Transmission Parameters (Cont'd)

A. Data Transmission Parameters - Type DA

1. Signal to C-Notched Noise Ratio

   The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

2. Envelope Delay Distortion

   The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz	
less than 50 route miles	500 microseconds
equal to or greater than 50 route miles	900 microseconds
1004 to 2404 Hz	
less than 50 route miles	200 microseconds
equal to or greater than 50 route miles	400 microseconds

3. Impulse Noise Counts

   The Impulse Noise Counts exceeding a 65 dBrnCO threshold in 15 minutes is no 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)	33 dB
Third Order (R3)	37 dB

5. Phase Jitter

   The Phase Jitter over the 4 to 300 Hz frequency band is less than or equal to 5 degrees peak-to-peak.

6. Frequency Shift

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

B. 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.

E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.2 Data Transmission Parameters (Cont'd)

B. Data Transmission Parameters - Type DB (Cont'd)

2. Envelope Delay Distortion

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

E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.2 Data Transmission Parameters (Cont'd)

B. Data Transmission Parameters - Type DB (Cont'd)

2. Envelope Delay Distortion (Cont'd)

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 dBrnCO threshold in 15 minutes is no 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

5. Phase Jitter

The Phase Jitter over the 4 to 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.

C. *WATS* Access Line Data Transmission Parameters

1. Signal to C-Notched Noise Ratio

The maximum Signal-to-C-Notched Noise Ratio is 30 dB.

2. Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands specified is:

1000 microseconds	604 to 2804 Hz
500 microseconds	1000 to 2404 Hz

3. Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

E6. SWITCHED ACCESS SERVICE

E6.4 ~~Transmission Specifications~~ Service Provisioning (Cont'd)

E6.4.2 Data Transmission Parameters (Cont'd)

C. *WATS* Access Line Data Transmission Parameters (Cont'd)

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

5. Phase Jitter

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

6. Frequency Shift

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

E6.4.3 WATS Access Line

A. Improved Two-Wire Voice Transmission Specifications

1. Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

2. Attenuation Distortion

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

3. C-Message

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

Route Miles	C-Message Noise
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

4. Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

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E6. SWITCHED ACCESS SERVICE

E6.5 Obligations of the Company (Cont'd)

In addition to the obligations of the company set forth in E2, preceding, the Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

E6.5.1 Network Management

The Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Company's network services. Generally, service levels are considered acceptable only when both end users and ICs customers are able to establish connections with little or no delay encountered within the Company network. The Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with an IC's customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Company or IC customer facilities, natural disasters, mass calling or national security demands. In the vent that the protective controls applied by the Company result in the complete loss of service by the IC customer, the IC customer will be granted a Credit Allowance for Service Interruption as set forth in E2.4.4 preceding.

E6.5.2 Design and Traffic Routing of Switched Access Service

~~For Feature Groups C and D when ordered in busy hour minutes of capacity, the Company shall design and determine the routing of Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point s nd to the end offices where busy hour minutes of capacity are ordered. The Company shall also decide if capacity is to be provided by originating only, terminating only, or two way trunk groups. Finally, the 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 Company traffic routing plans. If the IC desires routing or directionality different from that determined by the Company, the Company will work cooperatively with the IC in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service.~~

~~For Feature Groups A and B and FGC or FGD when ordered in trunks, the IC desired line or trunk directionality and/or traffic routing of the Switched Access Service between the IC's terminal location and the entry switch are specified on the IC's order for service. The Company will determine the optimal network configuration based on the capacity ordered. If the IC desires routing or directionality different from the optimal configuration determined by the Company, the Company will work cooperatively with the IC in determining: (1) whether the service is to be routed directly to an end office or through an access tandem switch, and (2) the directionality of the service before establishing a firm order. Additionally, for Feature Group B the IC may order the optional feature IC Specification of Local Transport Termination.~~

When ordering line side or trunk side Switched Access Services, the customer must, at a minimum, specify the Switched Transport facilities to be used (i.e., Entrance Facility, Direct Trunked Transport, and Tandem Switched Transport). When specifying the Switched Transport facilities to be used, the customer must indicate if the facilities are new or existing. The customer is also required to specify whether the service should be provided by originating only, terminating only, or two-way trunk groups.

For Feature Groups A and B, the line or trunk directionality and traffic routing of the Switched Access Service between the customer's premises and the entry switch are determined by the customer's order for service. The Telephone Company will compare the customer's request with its own traffic routing plan and available facilities and equipment to determine whether the customer's request can be met. The Telephone Company is responsible for selection of facilities from the interface to any switching point and to the end offices where capacity is ordered.

Except for Feature Group B, the Telephone Company will also decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and the Telephone Company traffic routing plans. If the customer desires directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining the directionality of the service. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Switched Transport Termination.

~~E6.5.3 Provision of Service Performance Data~~

~~Subject to availability, end to end service performance data available to the Company through its own service evaluation routines, may also be made available to the IC based on previously arranged intervals and format. These data provide information on overall end to end call completion and non completion performance, e.g., IC equipment blockage, failure events and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.~~

~~E6.5.4 Trunk Group Measurements Reports~~

~~Subject to availability, the Company will make available trunk group data in the form of usage i.e. CCS, peg count and overflow, to the IC based on previously agreed to intervals.~~

E6. SWITCHED ACCESS SERVICE

E6.5 Obligations of the Company (Cont'd)

E6.5.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Company through its own service evaluation routines, may also be made available to the IC customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and non-completion performance, e.g., IC customer equipment blockage, failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

E6.5.4 Trunk Group Measurements Reports

Subject to availability, the Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the IC customer based on previously agreed to intervals.

E6.5.5 Determination of Number of Transmission Paths

When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Groups B, C or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic.

The following applies to switched access voice transmission paths. The number of transmission paths for signaling connections will be determined jointly by the Company and the IC. Any specialized routing or additional diversity requirements of the IC are provided as set forth in Section E11. following.

For Feature Groups A and B, which are ordered on a per line or per trunk basis respectively, and FGC or FGD when ordered on a per trunk basis, the IC specifies the number of transmission paths in the order for service. The Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access Feature Group C or D 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 high speed digital facility between an IC and a Company location. The number of transmission paths will be developed using the total busy hour minutes of capacity by type (as described in E6.1.1.D. preceding) for the end offices for each Feature Group ordered from an IC terminal location. The total busy hour minutes of capacity by type for the end office will be converted to transmission paths using standard 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.

E6.5.6 Determination of Number of End Office Transport Terminations

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

E6.5.7 Design Blocking Probability

A. The Company will design and monitor the capacity of the facilities used in the provision of Switched Access Services to be provided to meet the blocking probability criteria as set forth in 1. through 4 following.

1. For Feature Groups A and B, no design blocking criteria apply.

2. For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the IC terminal location customer's 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 Company to determine the number of transmission paths required to achieve this level of blocking.

3. For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the IC terminal location customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or when routed via an access tandem. Standard traffic engineering methods as set forth in Reference Document PUB SR BOP-000191 Trunk Traffic Engineering Concepts and Applications will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.

4. The design blocking criteria for 800 Access Service or 900 Access Service provided from an end office not equipped with equal access capabilities will be equivalent to that set forth preceding for Feature Group C except when more than one tandem is employed in the transport of an 800 Access Service or 900 Access Service call. The design blocking criteria for 800 Access Service or 900 Access Service provided from an end office quipped with equal access capabilities will be equivalent to that set forth preceding for Feature Group D except when more than one tandem is employed in the transport of an 800 Access Service or 900 Access Service call. In the event of a 900 Access Service media stimulated call, the design blocking objective of no greater than one percent (.01) will not be guaranteed.

E6. SWITCHED ACCESS SERVICE

E6.5 Obligations of the Company (Cont'd)

E6.5.7 Design Blocking Probability (Cont'd)

A. (Cont'd)

5. The Company will perform routine measurement functions for the capacity ordered, whether ordered in lines, or trunks, ~~or BHMCs~~, in accordance with Company design blocking criteria to assure that an adequate number of transmission paths are in service. The Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the ~~IC~~ customer when additional paths are required to reduce the measured blocking to the designed blocking level. Where design blocking criteria apply, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.

a. For transmission paths carrying only first routed traffic direct between an end office and an ~~IC terminal location~~ customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

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

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

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements 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

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E6. SWITCHED ACCESS SERVICE

E6.6 Obligations of the ~~IC~~ Customer

In addition to the obligations of the ~~IC~~ customer set forth in Section E2. preceding, the ~~IC and/or End User~~ customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

E6.6.1 Report Requirements

A. ~~ICs~~ Customers are responsible for providing the following reports to the Company, when applicable.

1. Jurisdictional Reports

When an ~~IC and/or End user~~ customer orders Switched Access Service for both interstate and intrastate use, the ~~IC and/or End User~~ customer is responsible for providing reports as set forth in E2.3.14 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in E2.3.15. preceding.

2. Code Screening Reports

When an ~~IC~~ customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

3. 800/900 NXX Code Testing

When ordering 800 Access Service or 900 Access Service, the ~~IC~~ customer will reserve and assign within their network the 800/900 NXX-4141 as an access test number(s). The Company will use this number to verify that 800/900 Access Service is being provided to the ~~IC's~~ customer's network when the ~~IC's~~ customer's 800/900 NXX is activated in the Company's network.

4. 800/9900 NXX Code Trouble Reporting

When ordering 800 Access Service or 900 Access Service, the ~~IC~~ customer will reserve and assign within their network the 800/900 NXX-0000 as a trouble reporting number(s). The Company will use this number(s) to assure the ~~IC~~ customer that originating 800/900 Access Service trouble reports are being reported to their trouble reporting centers.

E6.6.2 Supervisory Signaling

The ~~IC~~ customer facilities shall provide the necessary on and off-hook, answer, and disconnect supervision.

E6.6.3 Trunk Group Measurement Report

With the agreement of the ~~IC~~ customer, trunk group data in the form of usage in CCS, peg count and overflow for its and of all access trunk groups, where technologically feasible, will be made available to the Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

E6.6.4 Design of Switched Access Services

When an ~~IC and/or End User~~ customer orders Switched Access Service on a per line or trunk basis, it is the ~~IC's and/or End User's~~ customer's responsibility to assure that sufficient access service facility quantities have been ordered to handle its traffic.

E6.7 Rate Regulations

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

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.1 Description and Application of Rates and Charges

A. There are three types of rates and charges that apply to Switched Access Service. These are monthly recurring rates including fixed and per mile, usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements *as set forth following*.

1. Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided regardless of the amount of usage. Monthly rates may be either distance sensitive (per mile) or non-distance sensitive (fixed). For billing purposes each month is considered to have 30 days.

2. 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 *or on a per call basis. Usage rates* are accumulated over a monthly period.

3. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements, 800 Access Service and 900 Access Service.

a. Installation of Service

Nonrecurring charges apply to each Switched Access service installed.

~~For PGA and PGB Switched Access Services which are ordered on a per line or trunk basis respectively, and for PGD when ordered on a per trunk basis the charge is applied per BHMC added. Each line or trunk added for PGA, PGB, and PGD service is assumed to have 30 BHMC.~~

~~For Switched Access Service ordered on a busy hour minutes of capacity basis, the charge is also applied on a per trunk basis but the charge applies only when the capacity ordered requires the installation of an additional trunk(s).~~
For PGA, the per line installation charge is applicable. For PGB, PGC, PGD, 800 and 900, the per trunk installation charge is applicable on a per end office or tandem basis. For Switched Transport Services (i.e., Entrance Facility, Direct Trunked Transport and Tandem-Switched Transport), the per trunk installation charge is applicable for each Voice Grade, DS1 or DS3 facility.

b. If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

c. Service Rearrangements

All changes to existing services other than changes involving administrative activities only will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring charge described in a. preceding will apply for this work activity. Moves that change the physical location of the point of termination are described and charged for as set forth in E6.7.7 following.

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.1 Description and Application of Rates and Charges (Cont'd)

A.(Cont'd)

3.Nonrecurring Charges (Cont'd)

c.Service Rearrangements (Cont'd)

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

-Change of ~~IC~~ customer name (i.e., the ~~IC~~ customer of record does not change but rather the ~~IC~~ customer of record changes its name - e.g., AT&T Long Lines to AT&T Communications),

-Change of ~~IC~~ customer or ~~IC's~~ customer's end user premises address when the change of address is not a result of a physical relocation of equipment.

-Change in billing data (name, address, or contact name or telephone number),

-Change of agency authorization,

-Change of ~~IC~~ customer circuit identification,

-Change of billing account number,

-Change of ~~IC~~ customer test contact number,

-Change of ~~IC~~ customer or ~~IC's~~ customer's end user contact name or telephone number, and

-Change of jurisdiction.

The nonrecurring charges associated with rerouting trunks from tandem to end office or from end office to tandem transport will be waived for service rearrangements ordered prior to July 1, 1994. This waiver of nonrecurring charges includes nonrecurring charges for installation of new facilities between the Telephone Company serving wire center and the customer's designated premises when such facilities are required to provision rerouted trunks. The following conditions must be met in order for the charges to be waived:

-The customer must maintain the same customer premises location. Requests to add or change optional features will be subject to the charges applicable to the features.

-Direct routed end office trunks must subtend the tandem from which the service is being rearranged.

-One trunk at the end office or tandem must be disconnected for each rerouted tandem or end office trunk installed with the following exception. If the customer demonstrates that industry accepted engineering standards require the installation of additional trunks, the nonrecurring charges for such additional trunks will also be waived.

-The order to disconnect from the tandem or end office must be placed at the same time as the order to connect at the tandem or end office. The due date for the disconnect order may not be more than 90 days after the due date for the order to install the tandem or end office trunk. Requests to rearrange trunks must be received by the Telephone Company no later than July 1, 1994.

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.1 Description and Application of Rates and Charges (Cont'd)

A. (Cont'd)

3. Nonrecurring Charges

d. When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path).

e. 800 Data Base Query Service

A per call charge as specified in E6.8.4 following applies on a per query basis for each 800 call query received at the 800 data base. When a combination of one or more of the optional features is requested, only one such charge shall apply.

f. 900 Access Service

A nonrecurring charge as specified in E6.8.2.E following applies to the activation of 900 NXX codes to be routed to an IC customer in the operating territory of the Company. The charge applies to the initial loading of each 900 NXX code required to establish service and to any subsequent changes to these codes. There are two nonrecurring charges. The first 900 NXX code nonrecurring charge applies for the first 900 NXX code submitted on an Access Service Request (ASR) and is assessed per each Company End Office of Access Tandem in which translations are required to route 900 NXX calls to the IC customer. The additional 900 NXX code nonrecurring charge applies for each additional 900 NXX code submitted on the same ASR and is assessed per each Company End Office or Access Tandem in which translations are required to route 900 NXX calls to the IC customer.

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.2 Minimum Periods

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

E6.7.3 Switched Access Service for Resale of Other ~~IC~~ Customer Service

When the ~~IC~~ customer plans to use line side Switched Access Service to collect the traffic of its customers in association with the resale of an ~~IC~~ customer service that is provided through the use of originating only *WATS* Access Line Service provided under this Tariff (i.e., resale of WATS), the following regulations, rates and charges shall apply.

A. The ~~IC~~ customer shall notify the Company in writing that line side Switched Access Service is to be used in association with the resale of *WATS* Access Line Service. With its notification, the ~~IC~~ customer shall furnish the following data:

1. The number of *WATS* Access Line Services in the LATA that it is reselling in association with the line side Switched Access Service, and

2. The ~~IC terminal location~~ customer premises (i.e., closed end user location) where the *WATS* Access Line Services are terminated, and

3. When both line side (i.e., PGA) and trunk side (i.e., PGB, PGC and PGD) Switched Access Service are used in association with the resale of WATS Access Line Service, the number of WATS Access Line Services to be associated with each line side or trunk side Switched Access Service. If this split is not reported, the Company will assume all WATS Access Line Services are to be associated with line side Switched Access Service.

The preceding information and the information required in B. following must be reported for each LATA in which the ~~IC~~ customer is reselling services. For those LATAs that are multistate LATAs, the ~~IC~~ customer must report the information by state within the LATA. In order for the rate treatment in D. following to apply, both the Switched Access Service and the associated WATS Access Line Services must be in the same state and be provided by the same Company.

B. Each of the Switched Access Services used by the ~~IC~~ customer in association with the resale of *WATS* Access Line Service must be in the same LATA as the *WATS* Access Line Services in order for such Switched Access Service to be rated as set forth in D. following. The switched Access Service must also be connected either directly or indirectly to the ~~IC terminal location~~ customer's premises at which the associated *WATS* Access Line Services are terminated. Direct connections are those where the Switched Access Service is terminated at the same ~~IC terminal location~~ customer's premises. Indirect connections are those where the Switched Access Service is terminated at a second ~~IC terminal location~~ customer premises in the same LATA, which is in turn connected to the first ~~IC terminal location~~ customer premises by facilities that can be used by the Switched Access Service to reach the first ~~IC terminal location~~ customer premises (i.e., the ~~IC terminal location~~ customer premises where the *WATS* Access Line Services are terminated). When more than one ~~IC terminal location~~ customer premises is involved in a LATA, the ~~IC~~ customer shall notify the Company in writing and shall report the locations of the involved ~~IC terminal location~~ customer premises.

C. For the initial month, the data that the ~~IC~~ customer reports as set forth in A. and B. preceding will be used by the Company to determine the rates and charges as set forth in D. following. For each subsequent month, the ~~IC~~ customer must update the report per A. and B. preceding for each LATA for the preceding monthly period. The report shall be delivered to the Company, at a location specified by the Company, no later than 15 days after the bill date shown on the *WATS* Access Line Services bill. If an updated report is required but is not received by the Company during the monthly period after the initial monthly period, the Company will assume there are no resold *WATS* Access Line Services associated with Switched Access Services in the LATA. The rate treatment set forth in D. following will not apply in these cases.

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.3 Switched Access Service for Resale of Other ~~IC~~ Customer Service (Cont'd)

D. When the ~~IC~~ customer reports Switched Access Services associated with the resale of WATS access Line Services in a LATA as set forth in A., B. and C. preceding, and the Company verifies the reports are accurate, such Switched Access Services will be rates as follows:

1. For line side Switched Access Services (i.e., PGA) in a LATA associated with the resale of WATS Access Line Services, the LATA access minutes used to determine the charges for ~~Local~~ Switched Transport, Local Switching (LS1) and Line Termination will be reduced by the total number of minutes each WATS Access Line Service reported by the ~~IC~~ customer as set forth in A., B. or C. preceding. However, the access minutes for the line side Switched Access Services in the LATA, adjusted as set forth in this or any other section of this Tariff, that are billed to an ~~IC~~ customer in a monthly period shall not be less than zero. The adjustment will be made to the involved ~~IC~~ customer account no later than either the next bill date, or the one subsequent to that, depending on when the report is received.

E. When the ~~IC~~ customer notifies the Company that Switched Access Service is to be used in association with the resale of WATS Access Line Service, the notification automatically grants the Company the right to audit (1) the ~~IC terminal locations~~ customer premises to verify the use of facilities as reported in A., B. or C. preceding, and (2) all of the records, work papers and back up documentation for each report as set forth in A., B. or C. preceding. The Company also has the right to contact and review the records of other involved entities to verify the data the ~~IC~~ customer reports is accurate.

All of the records, work paper and backup documentation for each report furnished the Company as set forth in A., B. or C. preceding shall be available (for one year from the date of the report) during normal business hours at an ~~IC~~ customer location in the involved LATA, upon reasonable request by the Company, in order to permit a review by the Company auditor or outside auditor under contract to the Company. If the records, work papers and backup documentation are not provided or are insufficient or not in accordance with the provision of this paragraph and A., B. and C. preceding, the adjustments and rates as set forth in D. preceding shall not apply until the deficiencies are corrected and new reports as required in A., B. and C. preceding are delivered to the Company.

F. When the ~~IC~~ customer reports line side Switched Access Services associated with the resale of WATS Access Line Service in a LATA, as set forth in A., B. or C. preceding, the regulation set forth in E3.7.D. preceding shall apply.

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.4 Minimum Monthly Charge

A. Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge consists of the following elements:

1. For those rate elements that are billed a flat monthly rate, i.e., *WATS* Access Line, the minimum monthly charge is the monthly rate as set forth in E6.8 following.

2. The minimum monthly charge for the Interconnection, Tandem - Switched ~~Local~~ Transport, Local Switching and Line Termination rate elements is the sum of the charges as set forth in E6.8.1.A., E6.8.2.A. and B. following for the measured or assumed usage for the month. For flat rated Switched Access services, the minimum monthly charge for the Entrance Facility and Direct-Trunked Transport rate elements is the applicable monthly rate for the service.

E6.7.5 Reserved for Future Use

E6.7.6 Change of Feature Group Type

Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with one exception. When ~~an IC~~ customer upgrades a Feature Group A, B, or C service to a Feature Group D service of the same capacity in the same end office, the nonrecurring charges will not apply.

At the time the customer upgrades from FGA, FGB or FGC to FGD, the customer may also change the facility used to provide the upgraded service. This change will be made at no additional charge and may include a change in the connection type (e.g., Voice Grade to DS1) and/or a change in the facility type (e.g., Direct-Trunked Transport to Tandem-Switched Transport).
When ~~an IC~~ customer upgrades a Feature Group A, B or C service to Feature Group D service, minimum period obligations will not change, i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for Feature Group D service. For all other changes from one type of Feature Group to another, new minimum period obligations will be established.

E6.7.7 Moves

A. A move involves a change in the physical location of one of the following:

1. The point of termination at the ~~IC terminal location~~ customer premises

2. The ~~IC terminal location~~ customer premises

B. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

1. Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring charge (*i.e., installation*) for the capacity affected. There will be no change in the minimum period requirements.

2. Moves to a Different Building

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

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.8 Measuring Access Minutes

~~IC~~ Customer traffic to end offices switches will be measured (i.e., recorded or assumed) by the Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Company to determine the basis for computing chargeable access minutes. For terminating calls over PGA, PGB, PGC to 800 and PGD, and for originating calls over PGA where the off-hook supervisory signal is provided by the ~~IC's~~ customer's equipment and PGB and PGD, the measured minutes are the chargeable access minutes. for originating calls over PGA where the off-hook supervisory signal is forwarded by the ~~IC's~~ customer's equipment when the called party answers and PGC, 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 PGA where the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers and PGC, respectively) 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, 900 and directory assistance from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgement from the ~~IC~~ customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.

Step 3: Obtain the total non-conversation time additive (NCTA) by multiplying the total attempts (obtained in Step 2) by the NCTA per attempt ratio. The NCTA per attempt ratio is obtained from the sample study identified in Step 2 by measuring the non-conversation time associated with both completed and incompleted attempts. The total NCTA is the time on a completed attempt from ~~IC~~ customer acknowledgement of receipt of call to called party answer (set up and ringing) plus the time on an incompleted attempt from ~~IC~~ customer acknowledgement 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 measured minute (obtained in Step 1). That is, Measured Minutes plus NCTA equals Chargeable Originating Access Minutes.

Following is an example which illustrates how the chargeable originating access minutes are derived from the measure originating minutes using this formula.

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

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

2. Total NCTA - .4 (NCTA per Attempt) x 1,333.33 = 533.33

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.8 Measuring Access Minutes (Cont'd)

3. Total Chargeable Originating Access Minutes = 7,000 (m. Min) + 533.33 (NCTA) = 7,533.33

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

PGA access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group. PGB, PGC and PGD access minutes or fractions thereof, exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

Assumed minutes are used for PGA service which originates or terminates in end offices not equipped with measurement capabilities. The assumed average intrastate access minutes for PGA is as set forth in E3.7.C. preceding.

When a PGA service arranged for two-way calling is provided where the originating and/or terminating access minutes are not recorded, the assumed average intrastate access minutes, by direction, are set forth in E3.7.C. preceding. Where one direction is measured and the other is not, the assumed minutes for the unmeasured direction are used. However, the total minutes will not exceed the actual recorded minutes or the sum of the originating and terminating assumed minutes, whichever is greater.

When a PGA service arranged for one-way (i.e., originating only or terminating only) calling is provided where the access minutes are not recorded, the assumed average intrastate access minutes of use are as set forth in E3.7.C. preceding.

A. Feature Group A Usage Measurement

For originating calls over PGA, usage measurement begins when the originating PGA entry switch receives an off-hook supervisory signal forwarded from the ~~IC's~~ customer's point of termination.

The measurement of originating call usage over PGA ends when the originating PGA entry 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 ~~IC's~~ customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over PGA, usage measurement begins when the terminating PGA 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 PGA ends when the terminating PGA 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 ~~IC's~~ customer's point of termination, whichever is recognized first by the entry switch.

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.8 Measuring Access Minutes (Cont'd)

B. Feature Group B Usage Measurement

For originating calls over FGB, usage measurement begins when the originating FGB entry switch receives answer supervision forwarded from the ~~IC's~~ customer's point of termination, indicating the ~~IC's~~ 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 ~~IC's~~ 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 over 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 ~~IC's~~ customer's point of termination, whichever is recognized first by the entry switch.

C. Feature Group C Usage Measurement

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

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

For terminating calls over FGC to services other than 800, 900 or Directory Assistance, terminating FGC usage may not be directly measured at the terminating entry switch, but may be imputed from originating usage, excluding usage from calls to 800, 900 or Directory Assistance Access Services. Actual measured usage will be used where available rather than an imputed value.

For terminating calls over FGC to 800 Service, usage measurement begins when the terminating FGC entry switch receives answer supervision from the terminating end user's end office, indicating the terminating 800 Service end user has answered.

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.8 Measuring Access Minutes (Cont'd)

C. Feature Group C Usage Measurement (Cont'd)

The measurement of terminating call usage over FGC to 800 Service ends when the terminating FGC entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating 800 Service end user has disconnected, or from the ~~IC's~~ customer's point of termination, whichever is recognized first by the entry switch.

D. Feature Group D Usage Measurement

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

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 ~~IC's~~ customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls for FGD, the measurement of access minutes begins when the terminating 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 FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the ~~IC's~~ customer's point of termination, whichever is recognized first by the entry switch.

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.9 Network Blocking Charge for Feature Group D

The ~~IC~~ customer will be notified by the Company to increase its capacity (busy hour minutes of capacity or quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic. Excessive trunk group blocking occurs when the blocking thresholds as described in E6.5.7 preceding are exceeded. If the order for sufficient additional capacity to handle an ~~IC~~'s customer's traffic has not been received by the Company within 15 days of the notification, the Company will bill the ~~IC~~ customer, at the rate set forth in E6.8.1.C. following, for each overflow in excess of the chargeable threshold.

CHARGEABLE THRESHOLDS

For Trunk Groups As Specified in E6.5.7.A.5.a

Trunk Group Size	Allowable Overflows Per Trunk Per Month
1 - 2	18
3 - 4	19
5 - 6	13
7 - 40	10
41 - 139	9
140 - 500	8
501 or greater	7

For Trunk Groups As Specified in E6.5.7.A.5.b

Trunk Group Size	Allowable Overflows Per Trunk Per Month
1 - 4	10
5 - 6	8
7 - 125	6
126 or greater	5

E6.7.10 Application of Rates for Extension Service

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different building(s) in the same LATA or, by access to an ~~IC~~'s customer's facilities, additional terminations of the service at different building(s) in a different LATA. Feature Group A extensions in the same Company Local Exchange as the dial tone office are charged for under the Company's General Customer Services Tariff.

Feature Group A extensions in a different Company Local Exchange as the dial tone office are charged for as Special Access Service. The rate elements which apply are: voice grade local channels; interoffice channel mileage, if applicable, and signaling capability (optional features and functions), if applicable. Feature Group A extensions provided through an ~~IC~~'s customer's facilities to different LATA's are charged for as Special Access Service in both the LATA where the extension originates and the LATA where the extension terminates. The rate elements which apply in each LATA to access the ~~IC~~'s customer's facilities are: voice grade channel terminations, channel mileage, if applicable, and signaling capability (optional features and functions), if applicable. All appropriate monthly rates and nonrecurring charges set forth in Section E7. following will apply. Such extensions are ordered as set forth in Section E5. preceding.

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.11 Message Unit Credit

Calls from end users to the seven digit local telephone numbers associated with Feature Group A Switched Access Service are subject to Company local and/or general exchange service tariff charges (including message unit and toll charges as applicable). The monthly bills rendered to ~~IXCs and/or end users~~ customers for their Feature Group A Switched Access Service will include a credit to reflect any message unit charges collected from their end users under the Company's local and/or general exchange service tariffs. No Message Unit Credit is given on the access minutes that have been prorated as set forth in E6.7.3 preceding.

The credit will apply for recorded originating usage or for assumed, originating usage, as appropriate, for the FGA service provided. When the credit is applied on assume usage, such credit will not exceed the assumed levels of usage set forth in E3.7 preceding. No credit will apply for any terminating FGA access minutes.

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.12 Local Information Delivery Service

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in E6.8 following. In addition, the charges per call if specified under the company's tariffs are also applicable.

E6.7.13 Mileage Measurement

The mileage to be used to determine the rate for Direct-Trunked Transport and Tandem-Switched Transport is calculated based on the airline distance between the end office switch where the call carried by Switched Transport service originates or terminates and the customer's serving wire center, except as set forth in (A) through (C) following. The V&H coordinates method is used to determine mileage. This method is set forth in Bell Telephone Center Association Tariff F.C.C. No. 4 for Wire Center Information (V&H coordinates). If the mileage calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rate.

Exceptions to the mileage measurement rules are as follows:

A. When Switched Transport facilities of different capacities or bandwidths are interconnected by a multiplexer at a location other than the serving wire center, mileage is determined using the V&H coordinates method as set forth following:

1. When only one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured separately from the serving wire center to the hub where multiplexing (i.e., applying interconnection) occurs and then measured from the hub to the end office where the call is switched to originate or terminate.

2. When more than one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured successively from the serving wire center to the first hub, from the first hub to the second hub, and then from the second hub to the end office where the call is switched to originate or terminate.

If more than two hubs are involved, mileage is measured successively between each intervening hub, with the final measurement being from the last hub to the end office where the call is switched to originate or terminate.

B. When transport is provided in a host/remote arrangement, Tandem-Switched Transmission rates apply from the host office to the associated [illegible]. Mileage for Tandem-Switched Transmission is calculated from the V&H coordinates of the Host office and the END/RM where the call originates or terminates. Additional Tandem-Switched Transport or Direct-Trunked Transport rates apply depending on the transport service provided from the host/remote arrangement.

C. When Switched Transport is provided by a Class 4/5 switch (i.e., a switch that functions as both an access tandem and end office) for both access tandem routing and end office routing, mileage is calculated using the V&H coordinates method. As set forth in 6.1.3, Switched Transport from the serving wire center to the hub that interconnects the Direct-Trunked Transport and the Tandem-Switched Transport facilities is considered to be Direct-Trunked Transport.

Direct-Trunked Transport is measured from the serving wire center to the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities and then measured from the hub to the end office.

Tandem-Switched Transmission is measured from the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities to the end office where the call is switched to originate or terminate.

~~E6.7.13 [illegible] Application of Rates~~

~~A. Rates are applied as premium, non-premium or transitional rates. The non-premium rates are determined by discounting the premium rates by 35 percent. The transitional rates are determined by developing a weighted composite of the premium and non-premium rates based on the level of equal access deployment in the EAEA.~~

~~B. The specific application of these rates for a specific IC is dependent upon the Feature Group and the availability of equal access capabilities.~~

~~C. Premium rates apply to all FGC access minutes and associated BHMC. Premium rates apply to FGD access minutes and associated BHMC except as set forth in D. following.~~

~~D. When FGA, FGB, 800 Service or 900 Service Switched Access Service is provided to an entry switch (i.e., the dial tone office for FGA and the access tandem for FGB), the premium, non-premium and transitional rates will be determined and applied separately for each EAEA, except for AT&T where FGB Terminating Service, 800 Access Service or 900 Access Service will be billed at the same rate as set forth for FGC and FGD, in the following manner:~~

~~1. All access minutes that originate or terminate in an EAEA and BHMC provided where all end offices are equipped for equal access will be billed at premium rates. (Access Minutes X Premium Rate)~~

~~2. Access minutes that originate or terminate in an EAEA and BHMC provided where no end offices are equal access capable will be billed at non-premium rates. (Access Minutes X Premium Rate X Discount Percentage)~~

~~3. Access minutes that originate or terminate in an EAEA and BHMC provided where a portion of the end offices have been equipped for equal access will be billed at transitional rates as set forth following:~~

~~a. The number of subscriber lines (i.e., exchange service lines, Centrex lines and Centrex-type lines) served by end offices equipped for equal access within an EAEA expressed as a percent of the total subscriber lines in an EAEA will be determined each month. This percentage (Factor 1) represents the percent of subscriber lines service by end offices equipped with equal access. The complement of this percentage (Factor 2) represents the percent of subscriber lines served from end offices not equal access capable.~~

~~b. Factor 1 is multiplied by 100% to calculate the weighted premium rate percentage.~~

~~c. Factor 2 is multiplied by 65% (100% 35%) to calculate the weighted transitional rate percentage.~~

~~d. The two resulting weighted percentages are then added together and multiplied by the premium rate to determine the effective rate level to be applied to all access minutes that originate or terminate in an EAEA.~~

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.13 Mileage Measurement (Cont'd)

D. When Direct-Trunked Transport is provided for line side Switched Access services (i.e., FGA), both Direct-Trunked Transport and Tandem-Switched Transmission rates apply.

Direct-Trunked Transport applies to both originating and terminating usage, and mileage is calculated using the V&H coordinates of the customer's serving wire center and the end office switch where the dial tone for the line side Switched Access service is provided.

Tandem-Switched Transmission applies only to terminating usage, and mileage is calculated using the V&H coordinates of the dial tone office and the end office where the call is switched to terminate.

E. Mileage for access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis, using the V&H coordinates method, between the end office switch where the Feature Group A switching dial tone is provided and the customer's serving wire center for the Switched Access Service provided. This exception does not apply to access minutes originating and/or terminating in an Extended Area Service area. Extended Area Service area mileage measurement exceptions are found in (L) following.

F. When trunks are provided from an end office to an access tandem as set forth in 6.7.1(A)(3)(c) preceding, the Switched Transport mileage will be calculated on the airline distance between the end office and the serving wire center of the customer's POP associated with that access tandem.

G. When the Alternate Traffic Routing optional feature is provided with Feature Groups B, C and D to provide service from an end office to different customer premises locations, Switched Transport access minutes will be apportioned between the two transmission routes used to provide this feature. For Feature Groups B and C, such apportionment will be made using standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 6.3.1(N) preceding, and the relative capacity ordered to the end office, when the feature is provided at an end office switch, or to the outstanding end offices when the feature is provided at an access tandem switch. For Feature Group D, the apportionment will be based on the actual measured data which is recorded against the specific trunk group that carried a particular call. This apportionment will serve as the basis for the Switched Transport mileage calculation. The customer will be billed accordingly.

H. Switched Transport mileage for access minutes originating from or terminating at a remote switching system (RSS) or remote switching module (RSM) that shares an NXX with its host office will be based on the airline miles between the customer's serving wire center and the host office. Switched Transport mileage for access minutes originating from or terminating at an RSS or RSM that has its own NXX (i.e., different from the host's NXX) will be based on the airline miles between the customer's serving wire center and the RSS or RSM.

I. When terminating Feature Group C Switched Access Service is provided from multiple customer premises to an end office not equipped with measurement capabilities, the total Switched Transport access minutes for that end office will be apportioned among the trunk groups accessing the end office on the basis of the capacity ordered for each FGC trunk group. This apportionment will serve as the basis for Switched Transport mileage calculation and the customer will be billed accordingly.

J. When FGA calls terminate within the local calling area of the dial tone office, the Switched Transport mileage will be calculated on an airline basis between the customer's serving wire center and the dial tone office.

K. Switched transport mileage for 800 and 900 Access Service is based on the airline distance between the end office switch where the 800 or 900 Access Service traffic originates and the customer's serving wire center.

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.13 Mileage Measurement (Cont'd)

L. Where the customer utilizes FGA Switched Access Service for calls between a Primary Exchange Carrier and a Secondary Exchange Carrier within the same Extended Area Service calling area where the Primary and Secondary Exchange Carriers are not the same Telephone Company and do not provide service under the same access service tariff, the Primary Exchange Carrier and Secondary Exchange Carrier will calculate mileage for Premium and Transitional rated access minutes in the originating direction over Feature Group A Switched Access Services as follows:

1. The Primary Exchange Carrier will calculate originating mileage on an airline basis, using the V&H coordinates method. This mileage measurement will be between the first point of switching (end office switch where the Feature Group A switching dial tone is provided) and the customer's serving wire center.

2. The Secondary Exchange Carrier will calculate originating mileage on an airline basis, using the V&H coordinates method. This mileage measurement will be between the first point of switching (end office switch where the Feature Group A switching dial tone is provided) and the end user's end office switch.

M. Where Feature Groups A, B, C and D Switched Access Services are connected with Special Access Service at a WATS Serving Office, the Telephone Company will measure mileage on an airline mileage basis between:

1. The WATS Serving Office and the Serving Wire Center for the customer designated premises, or

2. The Feature Group A or B entry switch and the Serving Wire Center for the customer designated premises.

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

~~D. (Cont'd)~~

~~E6.7.13~~ E6.7.4 Application of Rates

A. Rates are applied as premium, non-premium or transitional rates. The non-premium rates are determined by discounting the premium rates by 35 percent. The transitional rates are determined by developing a weighted composite of the premium and non-premium rates based on the level of equal access deployment in the EAEA.

~~B.~~ The specific application of these rates for a specific IC customer is dependent upon the Feature Group and the availability of equal access capabilities.

~~C.~~ B Premium rates apply to all FGC access minutes and associated BHMC. Premium rates apply to FGD access minutes and associated BHMC except as set forth in ~~D.~~ C. following.

~~D.~~ C When FGA, FGB, 800 Service or 900 Service Switched Access Service is provided to an entry switch (i.e., the dial tone office for FGA and the access tandem for FGB), the premium, non-premium and transitional rates will be determined and applied separately for each EAEA, except for AT&T whose FGB Terminating Service, 800 Access Service or 900 Access Service will be billed at the same rate as set forth for FGC and FGD, in the following manner:

1. All access minutes that originate or terminate in an EAEA and BHMC provided where all end offices are equipped for equal access will be billed at premium rates. (Access Minutes X Premium Rate)

2. Access minutes that originate or terminate in an EAEA and BHMC provided where no end offices are equal access capable will be billed at non-premium rates. (Access Minutes X Premium Rate X Discount Percentage)

3. Access minutes that originate or terminate in an EAEA and BHMC provided where a portion of the end offices have been equipped for equal access will be billed at transitional rates as set forth following:

   a. The number of subscriber lines (i.e., exchange service lines, Centrex lines and Centrex-type lines) served by end offices equipped for equal access within an EAEA expressed as a percent of the total subscriber lines in an EAEA will be determined each month. This percentage (Factor 1) represents the percent of subscriber lines service by end offices equipped with equal access. The complement of this percentage (Factor 2) represents the percent of subscriber lines served from end offices not equal access capable.

   b. Factor 1 is multiplied by 100% to calculate the weighted premium rate percentage.

   c. Factor 2 is multiplied by 65% (100%-35%) to calculate the weighted transitional rate percentage.

   d. The two resulting weighted percentages are then added together and multiplied by the premium rate to determine the effective rate level to be applied to all access minutes that originate or terminate in an EAEA.

4. The number of subscriber lines as required in 3.a preceding will be provided to the billing entity, to be received no later than 15 days after the first of each month. The billing entity will assume the number of lines to be unchanged if no report is received by the 15th of each month. The billing entity will use the most recent calendar month data available when making the calculations set forth in 3.a. preceding.

~~E6.7.14 Reserved for Future Use~~

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BY: ~~G. Dean Kurtz~~ E. B. Poag
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~~Tallahassee, Florida~~

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges

E6.8.1 Interconnection Charge

	Rate
- per access minute	$ 0.017496

E6.8.2 Switched Transport

	Monthly Rate	Nonrecurring Charge	
		First	Add'l
A. Entrance Facility			
1. Voice Grade			
- Per Point of Termination			
- Two Wire	$ 20.76	$281	$ 97
- Four Wire	$28.55	$295	$106
2. DS1			
- Per DS1	$112.70	$745	$335
3. DS3			
- Per DS3	$1360.00	$1118	$503

	Monthly Rate		Nonrecurring Charge
	Fixed	Per Mile	
B. Direct-Trunked Transport			
1. Voice Grade			
- Per Channel	$ 12.82	$ 1.42	$ 87
2. DS1			
- Per DS1	$ 25.75	$ 21.64	$200
3. DS3			
- Per DS3	$224.00	$188.00	$300

	Rate
C. Tandem-Switched Transport	
1. Tandem-Switched Transmission	
Termination, per access minute	$ .000139
Facility, per access minute per mile	$ .000040
2. Tandem Switching	
- Per Access Minute	$ .004530

	Monthly Rate	Nonrecurring Charge	
		Initial	Subsequent
D. Chargeable Optional Features			
Multiplexing			
- DS1 to Voice Grade	$200.95	$185	$500
- DS3 to DS1	$600.00	$278	$750

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges

E6.8.1 ~~Local~~ 2 Switched Transport (Cont'd)

~~A. Local Transport~~

~~1. Usage Rate~~

	~~Rates Per Access Minute~~	~~USOC~~
~~(e) Per Access Minute~~	~~$.0160~~	~~NA~~

E B. Installation

1. Nonrecurring Charge

	Rate	USOC
(a) Per ~~DSO/C~~ Trunk or Line	~~$10.00~~ 300.00	NA

F C. Network Blocking Charge[1]

1. Nonrecurring Charge

(a) Per Call Blocked	.0080	NA

Q D. Nonchargeable Optional Features

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
- Per Transmission Path[2]

b. SF Supervisory Signaling arrangement
- Per Transmission Path[2]

c. E&M Type 1 Supervisory Signaling arrangement
- Per Transmission Path[2]

d. E&M Type II Supervisory Signaling arrangement
- Per Transmission Path[2]

e. E&M Type III Supervisory Signaling *arrangement*
- PRE Transmission Path[2]

f. Tandem Supervisory Signaling *arrangement*
- Per Transmission Path[2]

Note 1: Applies to FGD.
Note 2: Available with Interface Groups 1 and 2.
Note 3: Available with Interface Groups 2 and 6 through ~~10~~ 9.
Note 4: Available with Interface Groups 1 and 2 for FGC and FGD.
Note 5: Available with Interface Group 2 for FGA.

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.1 ~~Local~~ 2 Switched Transport (Cont'd)

G. Nonchargeable Optional Features (cont'd)

2. ~~IC~~ Customer specification of the receive transmission level at the first point of switching within a range acceptable to the Company.

   - Per Transmission Path[1]

3. ~~IC~~ Customer specification of ~~Local~~ Switched Transport Termination Four-wire termination in lieu of two-wire termination

   - Per Transmission Path[2]

4. Switched digital 56 kbps services Access Capability

   - Per trunk arranged[3]

Note 1: Available with Interface Groups 2 through ~~10~~ 9 for FGA and FGB. The range of transmission levels which may be specified is described in Technical Reference PUB TR-NPL-000334.

Note 2: Available with Feature Group B with Type B Transmission Specifications.

Note 3: Available with Interface Groups 6 through ~~10~~ 9 for FGD.

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 3 Local Switching

A. Local Switching Rates and Optional Features

1. Per Access Minute

	Rate	USOC
(a) LS1	$.0098	NA
(b) LS2	.0098	NA

2. Common Switching Optional Features

a. Call denial on line or hunt group, available with FGA
Per Transmission Path or Transmission Path Group

b. Service Code Denial on line or hunt group, available with FGA
Per Transmission Path or Transmission Path Group

c. Hunt Group Arrangement, available with FGA
Per Transmission Path Group

d. Uniform Call Distribution Arrangement, available with FGA
Per Transmission Path Group

e. Nonhunting Numbers for use with Hunt Group Arrangements or Uniform Call Distribution Arrangement available with FGA
Per Transmission Path

f. Automatic Number Identification, available with FGB, FGC and FGD
Per Transmission Path Group

g. Up to 7 Digit Outpulsing of Access Digits to IC customer, available with FGB
Per Transmission Path Group

h. Cut-Through, available with FGD
Per End Office or Access Tandem

i. Revertive Pulse Address Signaling, available with FGC
Per Transmission Path Group

j. Delay Dial Start-Pulsing Signaling, available with FGC
Per Transmission Path Group

k. Immediate Dial Pulse Address Signaling, available with FGC
Per Transmission Path Group

l. Dial Pulse Address Signaling, available with FGC
Per Transmission Path Group

m. Service Class Routing, available with FGC and FGD
Per Transmission Path Group

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 3 Local Switching (Cont'd)

A. Local Switching Rates and Optional Features (Cont'd)

2. Common Switching Optional Features (Cont'd)

n. Alternate Traffic Routing,

- Multiple ~~IC~~ Customer Premises Alternate Routing, available with FGB, FGC, and FGD
Per Transmission Path or Transmission Path Group
- End Office Alternate Routing when ordered in Trunks, available with FGB and FGD
Per Transmission Path or Transmission Path Group

o. Trunk Access Limitation Arrangement, available with FGC and FGD
Per End Office

p. Call Gapping Arrangement, available with FGD
Per End Office

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.2 3 Local Switching (Cont'd)

A. Local Switching Rates and Optional Features (Cont'd)

2. Common Switching Optional Features (Cont'd)

q. Read Advance Arrangement for use with WATS Access Lines, available with FGC and FGD
Per Arrangement

r. End Office End User Line Service Screening for use with WATS Access Lines, available with FGC and FGD[1]
Per Transmission Path

s. Hunt Group Arrangement for use with WATS Access Lines, available with FGC and FGD
Per Transmission Path Group

t. Uniform Call Distribution Arrangement use with WATS Access Lines, available with FGC and FGD
Per Transmission Path Group

u. Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with WATS Access Lines, available with FGC and FGD
Per Transmission Path

v. Switched digital 56 kbps services switching capability, available with FGD only
Per Trunk Arranged

w. Enhanced Call Denial, available with FGA only
Per Line Equipped

x. Prohibit 10XXX, available only with WATS Arrangement Option
Per Arrangement Equipped

y. Calling Party Number
Per end office, per trunk group

z. Charge Number
Per end office, per trunk group

aa. Carrier Selection Parameter
Per end office, per trunk group

3. Transport Termination Options

a. Line Side Terminations for FGA

(1) Two Way Operation

- Dial Pulse with Loop Start
- Dial Pulse with Ground Start
- DTMF with Loop Start
- DTMF with Ground Start

Note 1: This feature is required for originating only WATS Access Lines.

F6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.2 ~~3~~Local Switching (Cont'd)

A. Local Switching Rates and Optional Features (Cont'd)

3. Transport Termination Options (Cont'd)

a. Line Side Terminations for FGA (Cont'd)

(2) Terminating Operation

- Dial Pulse with Loop Start
- Dial Pulse with Ground Start
- DTMF with Loop Start
- DTMF with Ground Start

(3) Originating Operation

- Loop Start
- Ground Start

b. Trunk Side Terminations for FGB, FGC and FGD

(1) Standard Trunk for Originating, Terminating or Two-Way operation, available with FGB, FGC and FGD

(2) Rotary Dial Station Signaling Trunk, available with FGB

(3) Operator Trunk, Coin, Non-Coin or Combined Coin and Non-Coin, available with FGC; also available with FGC or FGD when used in conjunction with Operator Transfer Service

(4) Operator Trunk, Full Feature Arrangement, available with FGD

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.2 3 Local Switching (Cont'd)

B. Line Terminations

1. Common Line and *WATS* Access Line Terminations

	Rates Per Access Minutes	USOC
(a) Per Access Minute	$.0079	NA

2. *WATS* Access Line Termination *Optional Features*

a. Line Side Terminations:

(1) Originating Only Loop Start, Line Side Connection with DTMF Address Signaling
Per *WATS Access Line*

(2) Originating Only Loop Start, Line Side Connection, with Dial Pulse Address Signaling
Per *WATS Access Line*

(3) Originating Only Ground Start, Line Side connection, with DTMF Address Signaling
Per *WATS Access Line*

(4) Originating Only Ground Start, Line Side Connection, with Dial Pulse Address Signaling
Per *WATS Access line*

(5) Terminating Only Loop Start, Line Side Connection
Per *WATS Access Line*

(6) Terminating Only Ground Start, Line Side Connection
Per *WATS Access Line*

b. Trunk Side Terminations:

(1) Terminating Only Trunk Side Connection for forwarding of Dialed Number Identification to End User
Per Transmission Path

C. Reserved for Future Use

D. (Deleted)

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.2 3 Local Switching (Cont'd)

E. 900 Access Service NXX Activation Charge

1. Per Company End Office Switch or Access Tandem in which translations are required

		Nonrecurring Charge	USOC
(a)	First NXX Code submitted on ASR	$43.61	NA
(b)	Additional NXX Codes submitted on same ASR	21.51	NA

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EFFECTIVE: ~~January 16, 1993~~

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 ~~5~~WATS Access Line Service

A. Monthly Rate

1. Access Lines

	Monthly Rate	USOC
(a) 2-wire InterLATA OutWATS and 800 Access Service[1,2]	$38.00	X2W
(b) 4-wire InterLATA OutWATS and 800 Access Service[1,2]	38.00	X4W

2. Access Line Extensions

a. Located in the Same Exchange as Main Termination

(1) First extension termination on different premises from main termination

(a) Each	25.00	WSP++

(2) Additional termination in same building as main or other extension termination

(a) Each[3]		WSS++

(3) First extension termination in different building, same premises as main or other extension termination

(a) Each	9.25	WSD++

Note 1: The WATS Access Line Monthly Rates will be reduced by the amount of the gross receipts tax for certified vendors of telecommunications services.

Note 2: This service will be available 60 days from receipt of the first request for service.

Note 3: Nonrecurring charge applies.

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 4 WATS Access Line Service (Cont'd)

A. Monthly Rate (Cont'd)

2. Access Line Extensions (Cont'd)

	Monthly Rate	USOC
b. Located in Different Exchange from Main Termination within same LATA		
(1) Interexchange channel mileage charges and channel terminate charges apply as specified for service 2000 channels in this Company's Private Line Service Tariff plus:		
(a) First termination	$25.00	EWW++
(b) Additional termination in same building with first or other extension termination, each[3]	-	WSS++
(c) Additional termination in different building, same premises as first or other extension termination, each	9.25	WSD++
(d) Additional termination on different premises, same exchange as first termination, each	25.00	WSP++

Note 3: Nonrecurring charge applies.

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BY: ~~C. Dean Kurtz~~ E. B. Poag
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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 4WATS Access Line Service (Cont'd)

A. Monthly Rate (Cont'd)

3. Four-Wire Terminating Arrangement

	Monthly Rate	USOC
(a) Each arrangement[1]	$10.00	4WA

B. Installation Charges

Service Ordering Charge - The term Service Ordering Charge means the charge that applies for work performed by the Company in connection with the receiving, recording and processing of customer requests for service.

Central Office Work Charge and New Line Connection Charge - Covers work associated with establishing or changing each WATS access line or access line extension connection.

Premises Visit Charge - The term Premises Visit Charge means the charge that applies for a visit to the customer's premises to perform work, other than disconnect work, requested by the customer.

1. For installation of WATS access lines, extensions or four-wire terminating arrangements

a. Access Lines and Extension Lines

(1) Service Ordering - Primary

	Nonrecurring Charge	USOC
(a) Each order	$22.00	NA
(2) Service Ordering - Secondary		
(a) Each Order	14.00	NA
(3) Central Office Work Charge[2]		
(a) Each	21.05	NA
(4) New Line Connection Charge[3]		
(a) Each	34.00	NA

Note 1: This charge is in addition to the access line monthly recurring charges.

Note 2: Central Office Work Charge is applicable for all access lines connected.

Note 3: New Line Connection Charge is applicable for all new access lines or additional access lines over and above the number previously installed at a premises.

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.~~3~~ 4 WATS Access Line Service (Cont'd)

B. Installation Charges (Cont'd)

1. (Cont'd)

a. Access Lines and Extension Lines (Cont'd)

(5) Premises Visit

	Nonrecurring Charge	USOC
(a) Each visit	$30.00	NA

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.2 4 WATS Access Line Service (Cont'd)

B. Installation Charges (Cont'd)

1. (Cont'd)

b. Four-Wire Termination Arrangements

(1) This charge is in addition to the access line nonrecurring charges.

	Nonrecurring Charge	USOC
(a) Each arrangement	$21.15	NA

2. For moving a *WATS* access line or extension line

a. Inside Move

(1) Service Ordering

(a) Each order	14.00	NA

(2) Premises Visit

(a) Each visit	30.00	NA

b. Outside Move, Different Building

Moves to a different building will be treated as a disconnect of the existing access line or extension and installation charges as specified in Section 19.3.D.1 of the General Customer Services Tariff will be applicable.

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.~~3~~ 4 WATS Access Line Service (Cont'd)

B. Installation Charges (Cont'd)

3. Conversion Charges

a. Changing the 800 Service telephone number to a different number at the request of the customer

	Nonrecurring Charge	USOC
(1) Service Ordering		
(a) Each Order	$14.00	NA
(2) Central Office Work Charge[1]	21.05	NA

b. Separating an existing 800 Service into two or more hunting arrangements which contain the same 800 Service access lines as the original hunting arrangement

(1) Service Ordering		
(a) Each order	14.00	NA
(2) Central Office Work Charge[1]		
(a) Each order	21.05	NA

c. Combining two or more 800 Service hunting arrangements into a single hunting arrangement containing the same 800 Service access lines

(1) Service Ordering		
(a) Each order	14.00	NA
(2) Central Office Work Charge[1]		
(a) Each order	21.05	NA

Note 1: Central Office Work Charge is applicable for all access lines connected.

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BY: ~~C. Dean Kurtz~~ F. B. Poag
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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 4 WATS Access Line Service (Cont'd)

4. Conversion to a Four-Wire Termination Arrangement

	Nonrecurring Charge	USOC
a. Each arrangement	$107.19	NA

Note 1: Central Office Work Charge is applicable for all access lines connected.

E6.8.4 5 800 Data Base Query Charge

An 800 Data Base Query Charge will apply for each 800 call query received at the Telephone Company's 800 data base. Per query charges are accumulated over a billing period and billed to the customer on a monthly basis.

800 Data Base Query Charge	Optional Feature*
Rate per Query	Rate per Query
$.01623	$.00137

* When a combination of one or more 800 Data Base Optional Features is used, only one charge will apply.

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BY: F. B. Poag
Director

E7. SPECIAL ACCESS SERVICE

E7.4 Rate Regulations (Cont'd)

E7.4.8 Shared Use of Digital High Capacity Service

Shared use occurs when Special Access Service and Switched Access Service are provided over the same High Capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Service Termination, Channel Mileage, as appropriate, and Multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Service Termination. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access Service Termination, Channel Mileage, and Multiplexer rates will be reduced accordingly (e.g., 1/24th for a DS1 Service, and 1/672nd for DS3 Service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. As each individual channel is activated for Switched Access Service, the Switched Transport Entrance Facility, Multiplexer, Direct-Trunked Transport and Tandem-Switched Transport rates will be charged accordingly (e.g., 1/24th for a DS1 Service and 1/672nd for DS3 Service). Where Special Access Service is provided utilizing a channel of the shared facility to the Hub, High Capacity rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates and charges will include a Service Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions, associated with the service, if any, will apply as set forth in 7.5 following.

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E7. SPECIAL ACCESS SERVICE
CONTENTS

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By: F. B. Poag
Director

E2. GENERAL REGULATIONS

E2.3.15 Determination of Intrastate Charges for Mixed Interstate and Intrastate Switched Access Service

A. When mixed interstate and intrastate Switched Access Service is provided, all charges (i.e., nonrecurring, monthly and/or usage) including optional feature charges, will be prorated between interstate and intrastate. The percentage provided in the reports as set forth in E2.3.14.A preceding will serve as the basis for prorating the charges. The intrastate percentage will change as revised jurisdictional reports are submitted. The percentage of a Switched Access Service to be charged as intrastate is applied in the following manner:

1. For monthly and nonrecurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated tariff rate per element.

2. For usage sensitive (i.e., access minutes and calls) chargeable rate elements, multiply the percent intrastate use times the actual use (i.e., measured or Company assumed average use) times the stated tariff rate.

E2.4 Payment Arrangements and Credit Allowances

E2.4.1 Payment of Rates, Charges and Deposits

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

Such a deposit will be refunded or credited to the customer's account when the customer has established credit or, in any event, after the customer has established a one-year prompt payment record at any time prior to the termination of the provision of the service to the customer. In case of a cash deposit, for the period the deposit is held by the Company, the customer will receive interest at the same percentage rate as that set forth in B.3.a. or in B.3.b following whichever is lower. The rate will be compounded daily for the number of days from the date the customer's deposit is received by the Company to and including the date such deposit is credited to the customer's account or the date the deposit is refunded by the Company. Should a deposit be credited to the customer's account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the customer's account. (T) + (T) (T) + (T)

B. The Company shall bill on a current basis all charges incurred by and credits due to the customer under this Tariff attributable to services, including, but not limited to the Trouble Location Charge as set forth in E13.3.1 following, established or discontinued during the preceding billing period (e.g., Special Access and Switched Access Entrance Facility, Direct-Trunked Transport and Multiplexing). In addition, the Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage (e.g., Switched Access Interconnection Charge, Tandem-Switched Transport, Local Switching and Line Termination), and for the Federal Government which will be billed in arrears. The bill day (i.e., the billing date of a bill for a customer for Access Service under this Tariff), the period of service each bill covers and the payment date will be as follows: (T) (C) (C) (C) (C) (T)

Issued: Effective:
By: F. B. Poag
Director

E2. GENERAL REGULATIONS

E2.4 Payment Arrangements and Credit Allowances (Cont'd)

E2.4.2 Minimum Periods

A. The minimum periods for which services are provided and for which rates and charges are applicable are set forth in *Sections* E5., E6. and E7. following, for Switched and Special Access Services; in *Section* E8. following, for Billing and Collection Services; *in Section E13. following, for Scheduled Testing*; and, in *Section* E14. following for Special Construction.

B. The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis, as set forth in *Section* E12. following is one month unless a different minimum period is established with the individual case filing.

C. When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance.

E2.4.3 Cancellation of an Order for Service

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

E2.4.4 Credit Allowance for Service Interruptions

A. General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this Tariff, or in the event that the protective controls applied by the Company result in the complete loss of service by the customer as set forth in E6.5.1 following. An interruption period starts when an inoperative service is reported by the customer and ends when the service is operative. (T) (T) (T)

B. When a Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows: (T)

1. For Switched Access Entrance Facilities and Direct-Trunked Transport and for Special Access Services no credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues. (C) (T)

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

   a. For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., local channel, channel interface, channel mileage and optional features).
   b. For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a connecting channel between the Hub and customer premises and associated channel interface, channel mileage and optional features and functions.) (T)

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E2. GENERAL REGULATIONS

E2.4 Payment Arrangements and Credit Allowances (Cont'd)

E2.4.4 Credit Allowance for Service Interruptions (Cont'd)

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

1. (Cont'd)
   c. For multiplexed services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the local channel to the Hub and its associated channel interface, channel mileage and optional features and functions, including the multiplexer, and the local channels from the Hub and their associated channel interfaces, channel mileages and optional features and functions). When the service which rides a channel of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to the customer premises (i.e., local channel, channel interface, channel mileage and optional features and functions). (T)

2. For Program Audio Special Access Services, no credit shall be allowed for an interruption of less than 30 seconds. The customer shall be credited for an interruption of 30 seconds or more as follows: (T)

   a. For two-point services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues.
   b. For multipoint services, when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for each connecting channel and associated channel interface, channel mileage and optional features and functions that is inoperative for each period of 5 minutes or major fraction thereof that the interruption continues.
   c. For multipoint services, the credit for the monthly charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.
   d. When two or more interruptions occur during a period of 5 consecutive minutes, such multiple interruptions shall be considered as one interruption.

3. For usage-rated Switched Access Service and Directory Assistance Service, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of the applicable monthly rates or minimum monthly usage charge for each period of 24 hours or major fraction thereof that the interruption continues. (C) (T)

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

5. For certain Special Access Services (Wideband Digital, WD1-4; Digital Data Access, DA1-4; and High Capacity, HCI) any period during which the error performance is below that specified for the service will be considered as an interruption.

6. Service interruptions for Specialized Service or Arrangements provided under the provisions of E12. following shall be administered in the same manner as those set forth in this section E2.4.4 unless other regulations are specified with the individual case filing.

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E4. (D)

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E.5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.1 General

E5.1.1 Scope

A. This section sets forth the regulations and orders related to charges for Access Orders for Switched and Special Access Services. These charges are in addition to other applicable charges as set forth in other sections of this Tariff.

B. An Access Order is an order to provide the customer with Switched Access Service or an End User with Special Access Service or Feature Group B Switched Access Service or to provide changes to existing services. (T)

C. The End User is ultimately responsible for the placing of an payment for all Special Access orders and Special Access charges as set forth in E7 and E13 following with the following exception. Payment for Special Access Service nonrecurring charges required as a result of an IC generated activity is the responsibility of the IC. IC generated activity is defined as the relocation of an IC POP.

D. The End User is responsible for the placing of and payment for Feature Group B Switched Access orders and charges as set forth in Sections E3 and E4 preceding and Section E6 following.

E5.1.2 Ordering Conditions

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

B. The customer shall provide all information necessary for the Company to provide and bill for the requested service. In addition to the order information required in E5.2 following, the customer must also provide: (T) (T)

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

C. Orders for Feature Group A Switched Access Service shall be in lines. Orders for Feature Group B Switched Access Service shall be in trunks. In addition, the order must indicate whether the Switched Transport ordered is for Entrance Facilities, Direct-Trunked Transport and/or Tandem-Switched Transport. For Direct-Trunked Transport, the order must specify the facility Hubs involved, channel type, channel interface, and any options desired. (M) (N) + (N)

D. (D)

E. Dedicated Access Line service must be ordered in lines for use with a Feature Group C or D Switched Access Service which is in service or on order.

F. The day upon which the customer has provided to the Company a firm commitment for the service and sufficient information to allow for the processing of the Access Order is the Application Date. On the Application Date the Company will establish a Service Date. The Service Date is the date on which service is to be made available to the customer. The company will release a firm order confirmation to the customer which includes critical date information not later than one business day following the Scheduled Issue Date. (T) (T) (T)

G. The time required to provision the service (i.e., the interval between the Application Date and the Service Date) is known as the service interval. Such intervals will be established in accordance with published service date interval guidelines which are available to customers upon request, whether the customer's service is subject to standard or negotiated intervals. The customer may request a service date other than that established pursuant to the service date interval guidelines, and the Company, where possible, will establish the service date in accordance with such request, subject, however, to other applicable provisions of this Tariff. (T) (T)

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E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.1 Provision of Service (Cont'd)

A. General (Cont'd)

3. Other Services as set forth in E5.1.3 preceding.

B. Information Required

When placing an order for Access Service, the customer or customer's authorized agent shall provide, at a minimum, the following information: (T)

1. For Feature Group A Switched Access Service, the customer shall specify: (T)

   a. Number of Lines

   b. First point of switching (i.e., the dial tone office)

   c. Directionality of the service

   d. Switched Transport Options, if any (T)

   e. Local Switching Options, if any

   f. Whether the off-hook supervisory signaling is to be provided by the customer's equipment or if it is to be forwarded by the customer's equipment when the called party answers. (T) (T)

   g. If the service is to be provided with an extension to a different exchange, (the customer's premises at which the extension is to be terminated). (T) (T)

   h. Percent Intrastate Use

2. For Feature Group B Switched Access Service, the customer shall specify: (T)

   a. The number of trunks

   b. For trunks to an end office, the end office

   c. For trunks to an Access Tandem

      (1) The Access Tandem Switch

      (2) An Estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem (to assist the Company in its own efforts to project further facility requirements.)

   d. Switched Transport Options, if any (T)

   e. Local Switching Options, if any

   f. For terminating only access, whether the trunks are to be arranged in trunk group arrangements or provided as single trunks

   g. The traffic type using the categories specified in E6.1.1.F. following to enable efficient provisioning and billing functions.

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E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.1 Provision of Service (Cont'd)

B. Information Required (Cont'd)

2. For Feature Group B Switched Access Service, the customer shall specify: (Cont'd) (T)

   b. Percent Intrastate Use

3. For Feature Group C and D Switched Access Service, the customer shall specify: (T)

   a. The number of trunks from the customer's premises to the end office by Feature Group and traffic type, unless service is ordered under b. following. (T)

   b. For customers not ordering in accordance with a., preceding:

      (1) the number of FGD trunks

      (2) for trunks ordered to an end office, the end office

      (3) for trunks ordered to an Access Tandem

      - the Access Tandem Switch

      - an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem (to assist the Company in its own efforts to project further facility requirements).

   c. Switched Transport Options, if any (T)

   d. Local Switching Options, if any

   e. The traffic type using the categories specified in E6.1.1.F. following, to enable efficient provisions and billing functions

   f. Percent Intrastate Usage, where required.

4. When ordering Operator Transfer Service, the customer shall specify the number of new or additional FGC or FGD trunks desired, if any, to carry originating traffic from the Operator Services System location to the customer location in each LATA served by the Operator Services System where the customer requests Operator Transfer Service. (T) (T) (T)

C. Traffic Engineering Responsibilities

1. The customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic. (T) (D) +

(D)

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E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.1 Provision of Service (Cont'd)

C. Traffic Engineering Responsibilities (Cont'd)

(D)
+

(D)

2. When Switched Access Service is ordered, the trunk quantity may be determined by the customer in the following manner. For each day the customer shall determine the highest number of trunks in use for a single hour. The customer shall, for the same hour period (i.e., busy hour), pick the twenty consecutive business days in a calendar year which add up to the largest number of trunks in use. The customer shall then determine the average busy hour trunks by dividing the largest number of trunks in use figure, for the same hour period, for the twenty consecutive business day period by 20. This computation shall be performed for each end office and/or access tandem the customer wishes to serve. (T) + (T) (T)

3. If data to develop a twenty consecutive day period is not available, the customer may use a twenty day period that contains as many consecutive days as is available. (T)

4. When a customer desires Switched Access Service to an end office that is a remote switching office, the customer must order to the host office which controls the remote switching office since all traffic to and/or from a remote switching office must be routed through the host office. (T) (T)

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E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.3 Access Order Modifications (Cont'd)

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

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

D. Service Date Change Charge

1. Access order service dates for installation of new services or rearrangements of existing services, may be changed, but the new service date may not exceed the original service date by more than 30 calendar days. When, for any reason, the customer indicates that service cannot be accepted for a period not to exceed 30 calendar days, and the Company accordingly delays the start of service, a Service Date Change Charge will apply. If the customer requested service date is more than 30 calendar days after the original service date, the order will be canceled by the Company and re-issued with appropriate cancellation charges applied unless the customer indicates that billing for the service is to commence as set forth in E5.2.8 following. (T) (T) (T)

   A new service date may be established that is prior to the original service date, if the Company determines it can accommodate the customer's request without delaying service dates for orders of other customers. If the service date is changed to an earlier date, the customer for Switched Access or Special Access Service will be notified by the Company that Expedited Order Charges as set forth in G. following apply. Such charges will apply in addition to the Service Date Change Charge. (T) (T) (T)

2. A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The applicable charge is:

	Nonrecurring Charge	USOC
(a) Service Date Change Charge, per Order	$26.21	OMC

E. Partial Cancellation Charge

1. Any decrease in the number of ordered Special Access Service channels or Switched Access Service Lines or trunks or WATS Access Lines will be treated as a partial cancellation and the charges as set forth in E5.2.4.B.4. following will apply. (C)

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E5. ORDERING OPTIONS FOR SWITCHED AND SPECIAL ACCESS SERVICE

E5.2 Access Order (Cont'd)

E5.2.5 Selection of Facilities For Access Orders

A. When a customer places an Access Order, it may choose to utilize facilities it previously purchased as a facility to a Hub. If the customer has a high capacity interface for use with Switched Access Service Interface Groups 3-9, or has a Special Access Service facility purchased to a Hub, the customer must request that specific channels be used to implement the Access Order. If a facility assignment is not provided by the customer, the Company will provide the service from available inventory as discussed in E5.3 following. (T) (T) (T)

B. For all other Access Orders, the option to request a specific transmission path or channel is not provided, except as provided for under Special Facilities Routing as set forth in E11. following.

E5.2.6 Minimum Period

A. Except as set forth in *E2.4.2*, the minimum period for which charges are applicable for Access Service is one month.

B. Service Rearrangements as set forth in E6.7.1 and E7.4.1 following for Switched and Special Access Services respectively, may be made without a change in minimum period requirements.

C. Changes other than those identified in E6.7.1 or E7.4.1 following will be treated as a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges will apply for the new service. A new minimum period will be established for the new service. The customer will also remain responsible for all outstanding minimum period obligations associated with the disconnected service. (T)

The following changes are those which will be treated as a discontinuance and installation of service and for which a new minimum period will be established.

1. A move to a different building as set forth in E6.7.7 or E7.4.4 following.
2. A change in type of service (i.e., Switched Access to Special Access, one type of Special Access to another, or one type of Switched Access Feature Group to another except as set forth in E6.7.6 following).
3. A change in the type of Special Access Service Local Channel.
4. A change in Switched Access Service Interface Group.
5. Change in Switched Access Service traffic type.
6. Change from two-point to multipoint Special Access Service or from multipoint to two-point Special Access Service.

D. A customer may request disconnect of an access service at any time after the service has been established. The customer must give the Company at least one business day written or verbal notice prior to the desired disconnect date. The one business day notice period will begin on the date the Company first receives the disconnect notification, either written or verbal. The verbal notice must be followed by written confirmation within 10 days. (T) (T)

E. When Access Service is disconnected prior to the expiration of the minimum period, the customer is obligated for payment of the minimum period charge as set forth in E2.4.9 preceding and E5.2.7 following. When Access Service is disconnected after the expiration of the minimum period, billing for the service will be performed in accordance with the provisions set forth in E2.4.1.C. preceding. (T)

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E6. SWITCHED ACCESS SERVICE

E6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path between a customer's premises and an end user's premises. It provides for the use of common terminating, common switching, switched transport, and both common subscriber plant and unshared subscriber plant (i.e., WATS access lines) of the Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises, and to terminate calls from a customer's premises to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in E6.1.1 and E6.1.3 following. (T)

Rates and charges for Switched Access Service depend on the type of service ordered and whether it is provided in a Company end office that is equipped to provide equal access (Feature Group D Access, described in E6.1.1.D. following). Rates and charges for Switched Access Service are billed to the customer, except for Carrier Common Line and Switched Access charges associated with Switched Access Services used in the provisioning of FX/ONAL or in some cases Feature Group B type services which will be ordered by and billed directly to the End User of these services, as set forth in E6.8 following. (T)

The application of rates for Switched Access Service is described in E6.7 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in E6.2.1.A.7, E6.2.1.B.4, E6.2.2.A.5, E6.2.3.A.5, E6.2.4.A.4, and E6.7.10 following. Finally, a credit is applied against line side Switched Access Service charges as described in E6.7.11 following. (T)

E6.1.1 Switched Access Service Arrangements and Manner of Provision

Switched Access Service is provided in six service categories *of* standard and optional features called Feature Groups, 800 Data Base Query Service and 900 Access Service. These are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Company entry switch, and the manner in which an end user accesses them in originating calling, e.g., with or without an access code. Following is a brief description of each type of service arrangement.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

A. Feature Group A (FGA)

FGA Access, which is available to all customers of FX/ONAL Service, provides line side access to Company end office switches with an associated seven digit local telephone number for use in originating communications from or terminating communications to a customer's intrastate service or a Company-provided, end office based, intrastate private network switching service. When associated with a Company-provided, end office based private network switch, end users must order FGA for off-network access.[1] When FGA access service is ordered by an end user for use with a Company provided private network switch, the end user must specify the customer that provides the interLATA links of the private network service. A more detailed description of FGA access is provided in E6.2.1 following. (T) (T) (T)

B. Feature Group B (FGB)

FGB Access, which is available to all customers provides trunk side access to Company end office switches with an associated uniform 950-0XXX or 950-1XXX access code for the customer's use in originating and terminating communications. A more detailed description of FGB Access is provided in E6.2.2 following. (T) (T)

Note 1: Any private switched network provided by the Company pursuant to a contract for a specified term and ordered by the customer prior to May 26, 1988 will be permitted to maintain its existing off-network access arrangements until the expiration of the current term of the contract. If the end user terminates his contract prior to its expiration date and replaces the Company-provided private network switch with a switch provided by a customer at their premises, the end user may continue the grandfathered off-network access arrangement with its new switch until the original expiration date of the terminated contract. (T)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

C. Feature Group C (FGC)

FGC Access, which is available only to providers of MTS and WATS, provides trunk side access to Company end office switches for the customer's use in originating and terminating communications. This service is available in all end offices which are not equipped for Feature Group D End Office Switching. Existing FGC Access will be converted to Feature Group D Access when it becomes available in an end office. A more detailed description of FGC Access is provided in E6.2.3 following. (T)

D. Feature Group D (FGD)

FGD Access, which is available to all customers, provides trunk side access to Company end office switches with an associated uniform 10XXX access code for the customer's use in originating and terminating communications. A more detailed description of FGD Access is provided in E6.2.4 following. (T) (T)

E. 800 Data Base Query Service

800 Data Base Query Service is an originating trunk side switched service that is available to the customer via FGD Access Tandem trunking groups. The service provides for the forwarding of end user dialed 800 calls to a Telephone Company Service Switching Point (SSP) which will initiate an 800 data base query to an 800 data base to perform the customer identification function. The call is forwarded to the appropriate customer based on information contained in the Switching Control Point 800 Data Base.

A more detailed description of 800 Data Base Query Service is provided in E6.2.6 following.

F. 900 Access Service

900 Access Service is an originating service that is provided via 900 Access Service Switched Access Trunk Groups. 900 Access Service Switched Access Trunk Groups will be provided in conjunction with FGC or FGD Access or in accordance with the technical characteristics of FGC or FGD Access. The service provides the customer identification function (900 NXX screening) based on the first six digits of the dialed 900 call, which determines the IC to which the call is to be routed based on the NXX dialed. (T)

A more detailed description of 900 Access Service is set forth in E6.2.7 following.

G. Manner of Provision

Switched Access is furnished in either quantities of lines or trunks. FGA Access is furnished on a per-line basis, and FGB, FGC and FGD Access are furnished on a per trunk basis as set forth in Section E5.2 preceding. (T) + (T)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

Trunks are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic is necessary for the Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer. (T) (T)

There are four major traffic types. These are: Originating, Terminating, Directory Assistance, and Inward Operator Services. The originating traffic type represents access capacity within a LATA for carrying traffic from the end user to the customer; the terminating traffic type represents access capacity within a LATA for carrying traffic from the customer to the end user; the Directory Assistance traffic type represents access capacity with a LATA for carrying Directory Assistance traffic from the customer to a Directory Assistance location; and the Inward Operator Services traffic type represents access capacity within a LATA for carrying Inward Operator Services traffic from the customer to the Inward Operator Services location. (T) (T) (T) (T)

E6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(D)
(D)

When ordering capacity for FGB Access, FGC Access or FGD Access, the customer must at a minimum specify such access capacity in terms of Originating traffic type and/or Terminating traffic type. (T)

Because some customers will wish to further segregate their originating FGC or FGD traffic into separate trunk groups, Originating traffic type is further categorized into Domestic, 800, 900, and Operator. Domestic traffic type represents access capacity for carrying only domestic traffic other than 800, 900 and Operator traffic; and 800, 900 and Operator traffic type represents access capacity for carrying, respectively, only 800, 900 or Operator traffic. When ordering such types of access capacity, the customer must specify Domestic, 800, 900 or Operator traffic type. (T) (T)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.2 WATS Access Line Service

WATS Access Line Service is provided only for the use with Feature Group C and D Switched Access Service originating and terminating. WATS Access Line Service connects an end user premises with a WATS or WATS-type serving office.

One way, inward or outward, "1+" and "0" intraLATA usage carried over WATS Access Lines from this Tariff, having both intra and interstate capability (bijurisdictional) or from the Central Telephone Companies Tariff FCC No. 1 or other appropriate Local Exchange Carrier (LEC) interstate tariff, will be completed over LEC facilities at LEC intraLATA WATS/800 Service rates and subject to rules and regulations applicable to LEC intraLATA WATS and 800 Service. The "1+" and "0" intraLATA usage will be billed to the Customer (and user or IC) where the closed end of the bijurisdictional WATS Access Line is terminated. Customer billing information must be provided to the Company at the time the line is ordered. Local calling and seven digit access to originating intrastate FGA and FGB Service are prohibited.

E6.1.3 Rate Categories

There are six rate categories which apply to Switched Access Service: (T)

- Interconnection Charge (described in E6.1.3.A. following) (N)
- Switched Transport (described in E6.1.3.B. following) (T)
- Local Switching (described in E6.1.3.C. following) (T)
- WATS Access Line (described in E6.1.3.D. following) (T)
- Common Line (described in Section E3. preceding)
- 800 Data Base Query (described in E6.1.3.E. following) (T)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

A. Interconnection (N)
+

The Interconnection rate element is assessed upon all customers for interconnecting with the Telephone Company's switched access network. The interconnection charge is usage rated and applied on a per access minute basis. (N)

B. Switched Transport (T)

The Switched Transport rate category provides the transmission facilities between the customer's premises and the end office switch(es) where the customer's traffic is switched to originate or terminate the customer's communications. For purposes of determining Switched Transport mileage, distance will be measured from the wire center that normally serves the customer's premises to the end office switch(es). (T) + (T) (T)

Switched Transport provides a two-way voice frequency transmission path composed of facilities determined by the Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the and user end office switch to the customer's premises) and in the terminating direction (from the customer's premises to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz. (T) (T)

Switched Transport is comprised of an Entrance Facility, Direct-Trunked Transport, Tandem-Switched Transport, and various optional features and functions. Descriptions of the Switched Transport components are provided in (1) through (3) following. (D) (N) + + (D)

1. Entrance Facility (M)
+

An Entrance Facility provides the communications path between a customer's premises and the Telephone Company's serving wire center for that premises. The Entrance Facility is dedicated to the use of a single customer and is available for use with all line side and trunk side Switched Access services. An Entrance Facility is provided even if the customer's premises and the serving wire center are located in the same building.

The Entrance facility rate element includes the transmission medium of the facility as well as certain circuit equipment that is used at the ends of the facility and employed to provision the channels on the transmission medium. The Entrance Facility rate element that also includes an Interface Group, as set forth in 6.4.3 following, which defines the technical characteristics and types of signaling capability associated with the connection (i.e., voice grade, DS1 or DS3) that comprises the Entrance Facility. The following types of Entrance Facility are available: (N)

(M)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd)

1. Entrance Facility (Cont'd)

a. Voice Grade Entrance Facility (N)
+

Voice Grade Entrance Facility is provided in quantities of channels. Each Voice Grade channel provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 hertz (Hz) and may be terminated two-wire or four-wire. When a single Voice Grade channel is ordered to be terminated at a customer's premises where the premises is all-digital and requires a minimum digital interface level of 1.544 Mbps, the Telephone Company will provide the required interface where facilities are available.

Technical Specifications for Voice Grade may be found in Technical Reference Publications TR-TSY-000335 and PUB 41004.

b. DS1 Entrance Facility

DS1 Entrance Facility provides 24 channels for the transmission of nominal 56 kbps or 1.544 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer.

Technical specifications for DS1 may be found in Technical Reference Publications TR-INS-000342, TP-76625 and PUB 6241.

c. DS3 Entrance Facility

DS3 Entrance Facility provides 28 DS1s or 672 channels for the transmission of nominal 44.736 Mbps isochronous serial data.

With DS3, an electrical interface will be installed at the customer's premises which provides an electrical signal with a transmission speed of 44.736 Mbps per channel.

Technical Specifications for DS3 may be found in Technical Reference Publications TR-INS-00342 and TP 76625.

2. Direct-Trunked Transport

Direct-Trunked Transport provides the communication path between the serving wire center of a customer's premises and an end office. Direct-Trunked Transport is dedicated to the use of a single customer and does not require switching at an access tandem. Direct-Trunked Transport is available for use with all line side and trunk side Switched Access services.

Direct-Trunked Transport is not available to end offices that lack recording and measuring capabilities needed to provide Direct- Trunked Transport. Direct-Trunked Transport is also not available for 800 Access Service when the required SSP function is located at the access tandem. (N)

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B6. SWITCHED ACCESS SERVICE

B6.1 General (Cont'd)

B6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (N)
+

2. Direct-Trunked Transport (Cont'd)

Direct-Trunked Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office when such facilities are not switched through an access tandem. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the inter- office links and employed to provision the channels on the transmission medium and circuit equipment used within the network to manage the circuits at intermediate locations.

Direct-Trunked Transport also provides for the transmission facilities between the Telephone Company's serving wire center and a hub that interconnects facilities for both Tandem-Switched Transmission and Direct-Trunked Transport.

3. Tandem-Switched Transport

Tandem-Switched Transport provides the communication path between the serving wire center of a customer's premises and an end office, and includes tandem switching functions. Tandem-Switched Transport also includes circuits dedicated to the use of a single customer (from the serving wire center to the access tandem) and circuits provided for the common use of all customers who have requested tandem switching (from the access tandem to the end office). Tandem-Switched Transport is available for use with all trunk side Switched Access services. Tandem-Switched Transport is not available for use with line side Switched Access services.

Tandem-Switched Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office that is switched through a tandem. Tandem-Switched Transport is composed of two subelements:

a. Tandem-Switched Transmission, which provides for the transmission facilities from the Telephone Company's serving wire center to an access tandem switch and from the Telephone Company's access tandem switch to an end office. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to derive the channels on the transmission medium, and circuit equipment used within the network to manage the circuits at intermediate locations.

b. Tandem Switching, which provides for use of the Telephone Company's access tandem. (N)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd)

In addition, when the customer has ordered Feature Group D in association with switched digital 56 kbps services switching capability feature as set forth in 4.d. following and where available, the Company will assure that facilities it provides are capable of supporting 56 kbps digital data (T) (M) +

Switched Transport is provided at the rates and charges set forth in E6.8.1.A. following. The application of these rates with respect to the different types of service is as set forth in E6.7.1. following. (T) (M)

4. Interface Groups

Six interface groups are provided for terminating an Entrance Facility at the customer's premises. Interface groups define the transmission characteristics associated with the Entrance Facility and all transport facilities with which it is interconnected. (N) +

Network Channel (NC) codes, feature group and technical specifications provide the available supervisory signaling options. The combination of the interface group and supervisory signaling ordered will identify the appropriate premises interface code (network channel interface code). Feature group and technical specifications are set forth in Technical Reference TR-NWT-000334.

Depending upon the interface group chosen by the customer, multiplexing arrangements may also be required. When the customer requests interconnection of an Entrance Facility to a Direct-Trunked Transport or Tandem-Switched Transport, and the interconnecting facilities use connections with different capacities or bandwidths, multiplexing arrangements are required to provide the inter-connection. A multiplexing arrangement is also required to interconnect certain facilities with specific switch types. Multiplexing is available as set forth in 6.1.3.(B)(5)(a) following. (N)

As a result of the customer's access order and the type of Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and tha Company facilities serving the customer's premises are digital, then Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer. (T) (M) + + (T) (T) (T) + (T)

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 type of service and whether the access service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters. (M)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

4. Interface Groups (Cont'd) (T)

Only certain premises interfaces are available at the customer's premises. The premises interfaces associated with the Interface Groups may vary among different types of service. The various premises interfaces which are available with the Interface Groups, and the type of service with which they may be used, are set forth in E6.1.3. following. (T)

a. Interface Group 1 (USOC TPP1X)

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. (T)

Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer's 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. (T)

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

b. Interface Group 2 (USOC TPP2X)

Interface Group 2 provides four-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. (T)

The transmission path between the point of termination at the customer's 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 approximately 300 to 3000 Hz. (T)

E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

4. Interface Groups (Cont'd) (T)

b. Interface Group 2 (USOC TPP2X) (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with PGA, such signaling will be loop start or ground start signaling. When the interface is associated with PGB, PGC or PGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

c. Interface Group 3 (USOC TPP3X)

Interface Group 3 provides a group level analog transmission at the point of *termination* at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to *108* kHz, with the capability to channelize up to 12 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Company will provide multiplex equipment to derive 12 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz. (T)

The interface is provided with individual transmission path SF supervisory signaling.

d. Interface Group 4 (USOC TPP4X)

Interface Group 4 provides supergroup level analog transmission at the point of *termination* at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Company use, e.g., pilot and carrier group alarm tones. (T)

Before the first point of switching the Company will provide multiplex and channel bank equipment to derive 60 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

e. (D)
+

(D)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

4. Interface Groups (Cont'd) (T)

f. Interface Group 6 (USOC TPP6X)

Interface Group 6 provides DS1 level digital transmission at the point of *termination* at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. (T)

Before the first point of switching, when analog switching utilizing analog terminations is provided, the Company will provide multiplex and channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

g. (D) +

h. (D)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

4. Interface Groups (Cont'd) (T)

i. Interface Group 9 (USOC TPP9X)

Interface Group 9 provides DS3 level digital transmission at the point of *termination* at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Company will provide, at the first point of switching, DS1 signals in D3/D4 format. (T)

The interface is provided with individual transmission path bit stream supervisory signaling.

j. (D)
+

(D)

5. Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interface codes are available as a function of the Company switch supervisory signaling and Feature Group. For explanations of these codes, see 3. following.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

5. Available Premises Interface Codes (Cont'd) (T)

Company Switch Supervisory Signaling	Premises Interface Code	Feature A	Group B	C	D	
a. Interface Group 1						
LO	2LS2	X				
LO	2LS3	X				
GO	2GS2	X				
GO	2GS3	X				(D) +
						(D)
RV, EA, EB, EC	4EA2-E		X	X	X	(N)
RV, EA, EB, EC	4EA3-E		X	X	X	
RV, EA, EB, EC	4EA2-M		X	X	X	(N)
RV, EA, EB, EC	4EA3-M		X	X	X	
RV, EA, EB, EC	6EB2-E		X	X	X	(N)
RV, EA, EB, EC	6EB3-E		X	X	X	
RV, EA, EB, EC	6EB2-M		X	X	X	(N)
RV, EA, EB, EC	6EB3-M		X	X	X	
EA, EB, EC	6EC2			X	X	(N)
EA, EB, EC	6EC3		X	X		
RV	2RV3-O	X	X	X		
RV	2RV3-T	X	X	X		
CCS	2NO2			X		
b. Interface Group 2						
LO, GO	4SF2		X			(D)
LO	4LS2		X			(D)
						(D)
GO	4GS2		X			(D) +
						(D)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

5. Available Premises Interface Codes (Cont'd) (T)

b. Interface Group 2 (Cont'd)

Company Switch Supervisory Signaling	Premises Interface Code	Feature A	Group B	C	D	
						(D)
						(D)
LO, GO	6EX2-B	X				
RV, EA, EB, EC	4SP2		X	X	X	
						(D)
RV, EA, EB, EC	4DX2	X	X	X		
						(D)
						(D)
RV, EA, EB, EC	6EA2-E		X	X	X	
RV, EA, EB, EC	6EA2-M		X	X	X	
RV, EA, EB, EC	8EB2-E		X	X	X	
RV, EA, EB, EC	8EB2-M		X	X	X	
EA, EB, EC	8EC2-M			X	X	
RV	4RV2-O		X	X	X	
RV	4RV2-T		X	X	X	
						(D)
						(D)
CCS	4NO2			X		

c. Interface Group 3

LO, GO	4AH5-B	X			
RV, EA, EB, EC	4AH5-B		X	X	X
CCS	4AH5-B				X

d. Interface Group 4

LO, GO	4AH6-C	X			
RV, EA, EB, EC	4AH6-C		X	X	X
CCS	4AH6-C				X

e. (D)
+

(D)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

5. Available Premises Interface Codes (Cont'd) (T)

Company Switch Supervisory Signaling	Premises Interface Code	Feature Group A	B	C	D	
f. Interface Group 6						
LO, GO	4DS9-15	X				
LO, GO	4DS9-15L	X				
RV, EA, EB, EC	4DS9-15		X	X	X	
RV, EA, EB, EC	4DS9-15L		X	X	X	
CCS	4DS9-15				X	
CCS	4DS9-15N				X	(N)
CCS	4DS9-1BN				X	+
CCS	4DS9-15B				X	(N)
g.						(D) +
h.						(D)
i. Interface Group 9						
LO, GO	4DS6-44	X				
LO, GO	4DS6-44L	X				
RV, EA, EB, EC	4DS6-44		X	X	X	
RV, EA, EB, EC	4DS6-44L		X	X	X	
CCS	4DS6-44				X	
j.						(D) + (D)

Where offered, switched digital 56 kbps services switching capability transmission is provided only with Feature Group D using Interface Groups 6 through 9. Following is a matrix showing for Interface Groups 6 through 9 which premises interface codes are available as a function of the switched digital 56 kbps services level of digital transmission. (T) (T)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

5. Available Premises Interface Codes (Cont'd) (T)

Interface Groups	Level of Transmission	Premises Interface Code	
6	DS1	04DS9-15	(T) (D)
			(T) (D)
9	DS3	04DS6-44	(T) (D)

6. Premises Interface Codes (T)

a. This paragraph explains the facility interface codes set forth in 2. preceding that the customer can specify when ordering Switched Access Service. Included is an example which explains the specific characteristics of the code, a glossary of premises interface codes and impedance levels. (T)

Example: If the customer specifies a 4EA3-E premises interface at the customer premises, it is requesting the following: (T)

4 ..... Number of Physical wires at customer premises (T)

EA .... Premises interface code for Type I, E&M lead signaling

3 ..... Impedance

E ..... Customer at point of termination or end user at network interface (T)

b. Glossary of Premises Interface Codes and Options

AH	Analog high capacity interface
- B	60 KHz to 108 KHz (12 channels)
- C	312 KHz to 552 KHz (60 channels)
- D	564 KHz to 3084 KHz (600 channels)
DS	Digital hierarchy interface
- 15	1.544 Mbps (DS1) format per PUB 41451 plus D4
- 15L	1.544 Mbps (DS1) with SF signaling

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

6. Premises Interface Codes (Cont'd) (T)

b. Glossary of Premises Interface Codes and Options (Cont'd)

(D)
+

(D)

- 44	44.736 Mbps (DS3)	
- 44L	44.736 Mbps (DS3) with SF signaling	

(D)
(D)

DX	Duplex signaling interface at customer point of *termination*	(T)
EA	Type I, E&M lead signaling.	
- E	Customer at point of termination or customer's end user at network termination originates on E lead.	(T)
- M	Customer at point of termination or customer's end user at network termination originates on M Lead.	(M)
EB	Type II, E&M lead signaling.	
- E	Customer at point of termination or customer's end user at network termination originates on E Lead.	(T)
- M	Customer at point of termination or customer's end user at network *termination* originates on M lead.	(T)
EC	Type III, E&M signaling at customer terminal point of termination.	(T)
EX	Tandem channel unit signaling for loop start or ground start	
- A	Customer supplies open end (dial tone, etc.) functions.	(T)
- B	Customer supplies closed end (dial pulsing, etc.) functions.	+
GS	Ground start loop signaling - closed end functions by customer or customer's end user	
LS	Loop start loop signaling - closed end functions by customer or customer's end user	(T)
RV	Reverse battery signaling	
- O	One way operation, originate by customer.	(T)
- T	One way operation, terminate function by customer or customer's end user.	+
SF	Single frequency signaling within VF band at either customer point of termination or customer's end user network termination	(T)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

6. Premises Interface Codes (Cont'd) (T)

c. Impedance

The nominal reference impedance with which the ***channel will be terminated*** for the purpose of evaluating transmission performance.

Value (ohms)	Code(s)
110	0
600	2
900	3
135	5
75	6
100	9

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

6. Premises Interface Codes (Cont'd) (T)

d. Digital Hierarchy Facility Interface Codes

This premises interface is available only to customers that select the multiplexed four-wire DSX-1 or higher facility interface option at the customer premises and provide subsequent system and channel assignment data. (T) (T)

The various digital bit rates in the digital hierarchy employ the facility interface code 4DS9, 4DS0 or 4DS6 plus the speed options indicated *following*:

Interface Code and Speed Option	Nominal Bit Rate (Mbps)	Digital Hierarchy Level
4DS9-15	1.544	DS1
4DS9-15L	1.544	DS1
4DS6-44	44.736	DS3
4DS6-44L	44.736	DS3

(D) + (D) (D) (D)

7. Nonchargeable Optional Features (T)

Where transmission facilities permit, the Company will, at the option of the customer, provide the following optional features in association with the interface groups listed in E6.1.3.B.1 A-I preceding. Only those interface groups referenced with each optional feature will be provided with that feature. The optional features are provided as set forth in E6.8.1.D. following. (T) + (T)

a. Supervisory Signaling

Where the transmission parameters permit, and where signaling conversation is required by the customer to meet its signaling capability, the customer may order an optional supervisory signaling arrangement for each transmission path provided as follows: (T)

- 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

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (T)

7. Nonchargeable Optional Features (Cont'd) (T)

a. Supervisory Signaling (Cont'd)

- For Interface Groups 6 through 9 (T)

These Interface Groups may, at the option of the customer, be provided with individual transmission path SF supervisory signaling where such signaling is available in Company central offices. Generally such signaling is available only where the entry switch provides an analog, i.e., non digital, interface to the transport termination and a portion of the facility between the analog entry switch and the customer's premises is analog. (T) (T)

b. Customer Specified Entry Switch Receive Level

This feature allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference TR-NPL-000334. This feature is available with Interface Groups 2 through 9 for Feature Groups A and B. (T) (T)

c. Customer Specification of Switched Transport Termination (T)

This option allows the customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Switched Transport at the entry switch in lieu of a Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications. (T) (T)

d. Switched Digital 56 kbps Services

Where provided, this option allows an customer to establish a connection between the customer's premises and a suitably equipped end user premises over facilities that are capable of transmitting 56 kbps digital data. This option requires the use of Interface Groups 6 through 9. It is provided to suitably equipped electronic and offices or access tandems and is available only with Feature Group D. (T) (T)

8. Chargeable Optional Features (N) +

a. Multiplexing

Multiplexing provides for arrangements to convert a single higher capacity or bandwideth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at Telephone Company designated Hubs arranged for multiplexing. All types of multiplexing may not be available at each Hub location. (N)

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

B. Switched Transport (Cont'd) (N) +

8. Chargeable Optional Features (Cont'd)

a. Multiplexing

Listed below are the multiplexing arrangements offered with switched access.

DS1 to Voice

An arrangement that multiplexes twenty-four voice grade circuits to single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits.

DS3 to DS1

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits. (N)

C. Local Switching (T)

The Local Switching rate categories provide for (1) the local and office switching, i.e., the common switching functions associated with the various Switched Access Service arrangements, (2) the termination of local transport at end offices, (3) the termination of common lines and WATS Access Lines at end offices and (4) intercept functions, i.e., the termination of certain calls at a Company intercept operator or recording. This category includes usage sensitive rates and both chargeable and nonchargeable optional features.

Various Common Switching, Transport Termination and WATS Access Line Service Termination optional features are available and are described in E6.3 following.

1. The Local Switching rate element provides for the use of end office switching equipment. Usage sensitive rates are applied on a per minute of use basis. It is divided into two categories:

a. LS1 provides local switching functions for FGA and FGB.

b. LS2 provides local switching functions for FGC and FGD; 800 Access Service and 900 Access Service traffic originating from or terminating to an equal access end office; and 800 Access Service and 900 Access Service.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

C. Local Switching (Cont'd) (T)

The application of these rates is set forth in E6.8.2.A. following.

2. The Line Termination rate element provides the terminations for the end user lines terminating in the local end office. There are two types of Line Terminations, i.e., Common Line Terminations and WATS Access Line Terminations. The WATS Access Line Terminations 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 and terminating 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.

   Line Termination rates are applied on an access minute basis, with no difference in rates for various types of terminations. Line Termination rates are set forth in E6.8.2.B. following. The application of these rates with respect to different types of service is as set forth in E6.7.1 following.

   In addition, there are also various types of originating and terminating WATS Access Line trunk side terminations that are available in lieu of standard line side terminations. Trunk side terminations are provided only in association with certain Line Termination optional features as specified following:

   a. Line Termination Optional Features:

      The Company will, at the option of the customer, provide the following Line Termination optional features in association with WATS Access Line Service. (T)

      (1) E&M Supervisory Signaling

      The E&M Supervisory Signaling optional feature, which is available with four-wire originating and terminating WATS Access Lines, provides for E&M Type 1, Type 2 or Type 3 Supervisory Signaling in lieu of loop start or ground start Supervisory Signaling.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.3 Rate Categories (Cont'd)

D. WATS Access Line Service (WALS) (T)

1. Description

a. The WATS Access Line Service rate category provides a connection between an end user premises (which for purposes of this Tariff include Centrex CO switches) and a Company switching office capable of performing the necessary screening functions for 800 Service, WATS or similar services.

b. WATS Access Line Service is arranged for either originating calling only or terminating calling only. It is provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling (i.e., facility interfaces). The choice of the type of signaling is at the option of the customer. (T)

c. Service is provided as either effective two-wire or effective four-wire transmission paths. Each transmission path is provided with Standard Transmission Specifications and Data Transmission Parameters as set forth in E6.4 following.

2. Applications

a. *WATS* Access Line Service is provided only for use with Feature Group C or D Switched Access Service. It is for use at the closed end of an 800 Service or a WATS or similar type service.

3. Optional Features

a. At the option of the customer, the *WATS* Access Line may be ordered with the Improved Two-Wire Voice Transmission Specifications optional feature (guaranteed specifications are set forth in E6.4.3 following). Certain other features which may be provided in connection with WATS Access Lines are available under the Company's local and/or general exchange service tariffs. Examples are: (T)

- End User access to a Company test line

- Speed Calling

E. 800 Data Base Query Service (T)

800 Data Base Query Service determines the customer to whom 800 calls will be routed. For all 1+800+NXX-XXXX calls, originated by an end user, the Telephone Company will route to an access tandem switch equipped to provide the customer identification function. Once customer identification has been established through 800 Data Base Query Service, the 800 call will be routed to the selected customer for completion. Rates applicable to 800 Data Base Query Service appear in Section E6.8.4 following.

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E6. SWITCHED ACCESS SERVICE

E6.1 General (Cont'd)

E6.1.4 Special Facilities Routing

A customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable Only) are set forth in *Section* E11. following.

E6.1.5 Design Layout Report

A. At the request of the customer, the Company will provide to the customer the makeup of the Company facilities and services provided from the customer's premises to the first point of switching. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed. (T) (T) (T)

E6.1.6 Acceptance Testing

A. When analog or a combination of analog and digital services are provided at voice grade frequency, the Company will, at the customer's request, cooperatively test to the point of termination at no additional charge, the following parameters at the time of installation: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling. When the Switched Transport is provided with Interface Groups 2 through 9, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Switched Transport), balance parameters (equal level echo path loss) may also be tested. (T) (T) + (T)

B. When the service is provided totally via digital facilities (i.e., digital switch and digital transport), the Company will, at the customer's request, cooperatively test at the time of installation the following at no additional charge: operational signaling for each circuit provided and loss for one circuit per di-group provided. (T)

E6.1.7 Ordering Options and Conditions

A. The Access Order, as set forth in Section E5. preceding, is used in the provisioning of Switched Access. Also included in that section are other charges which may be associated with ordering Switched Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

E6.2 Provision and Description of Switched Access Service Arrangements

Switched Access Service is provided in four different Feature Group Arrangements. The provision of each Feature Group requires Switched Transport facilities and the appropriate Local Switching functions. There are various Switched Transport and Local Switching optional features available with the Feature Groups. The Switched Transport, Common Switching and Transport Termination optional features are available at all suitably equipped Company end office switches. In addition, WATS Access Lines may be provided, at the option of the customer, with Feature Groups C and D. WATS Access Line optional features are available in end offices designated as WATS serving offices. (T) + (T) (T)

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Feature Groups. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in E6.4.1 following.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered. Originating calling permits the delivery of calls from telephone exchange service locations to the customer's premises. Terminating calling permits the delivery of calls from the customer's premises to telephone exchange service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Company will work cooperatively with the customer to determine the directionality. (T)

Following are detailed descriptions of each of the available feature groups. Each feature group is described in terms of its specific physical characteristics and calling patterns, the transmission specifications with which it is provided and the standard testing capabilities. Also listed are optional features which may be available depending upon the technological capability of the serving office.

E6.2.1 Feature Group A (FGA)

A. Description

1. FGA is provided in connection with Company electronic and electromechanical end offices. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling. (T)

2. FGA provides a line side termination at the first point of switching. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer. (T)

3. The Company shall select the first point of switching, within the selected LATA, at which the line side termination is to be provided unless the customer requests a different first point of switching and Company facilities and measurement capabilities are available to accommodate such a request. (T)

4. A seven digit local telephone number assigned by the Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

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

5. FGA switching, when used in the terminating direction is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multifrequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling. (T)

6. No address signaling is provided by the Company when FGA switching is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided. (T) (T) (T)

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

E6.2.1 Feature Group A (FGA) (Cont'd)

A. Description (Cont'd)

7. FGA switching, when used in the terminating direction, may be used to access valid NXXs in the EAEA, local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Company, community information services of an information service provider, and other customer's services (by dialing the appropriate digits). (T)
Charges for FGA terminating calls requiring operator assistance on calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls; (2) calls to certain community information services, for which rates are applicable under Company exchange service tariffs; and (3) calls from a Feature Group A line to another customer's service in accordance with that customer's applicable service rates when the (T)
Company performs the billing function for that customer. For FGA calls to Directory Assistance (T)
(411 where available and 555-1212), Switched Access Service terminating usage rates will not apply. Instead, FGA calls to this service are subject to the Directory Assistance Access Service rates.

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

B. Optional Features

1. Common Switching Optional Features

a. Hunt Group Arrangement

b. Uniform Call Distribution Arrangement

c. Nonhunting Number for use with Hunt Group Arrangement or *Uniform Call Distribution* Arrangement

d. Call Denial

e. Service Code Denial

f. Enhanced Call Denial

2. Transport Termination Optional Features

a. Two-way operation with dial pulse address signaling and loop start supervisory signaling

b. Two-way operation with dial pulse address signaling and ground start supervisory signaling

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

E6.2.1 Feature Group A (FGA) (Cont'd)

c. Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling

d. Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling

e. Terminating operation with dial pulse address signaling and loop start supervisory signaling

f. Terminating operation with dial pulse address signaling and ground start supervisory signaling

g. Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling

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

i. Originating operation with loop start supervisory signaling

j. Originating operation with ground start supervisory signaling

3. Switched Transport Optional Features (T)

a. Supervisory Signaling (as set forth in E6.1.3 preceding)

b. Customer Specified Entry Switch Receive Level (T)

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

a. Custom Calling Features

b. Extensions in the same local exchange as the dial tone office

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.1 Feature Group A (FGA) (cont'd)

C. Transmission Specifications

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C transmission Specifications are provided with Interface Groups 2 through 9. Type DB Data Transmission Parameters are provided with FGA to the first point of switching. (T)

D. Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in E6.1.6 preceding which are included with the installation of service, Additional Cooperative Acceptance Testing and NonScheduled Testing are available for FGA as set forth in *Section* E13. following.

E6.2.2 Feature Group B (FGB)

A. Description

1. FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch) is provided at appropriately equipped Company electronic end office switches. When provided via Company designated electronic access tandem switches, FGB switching is provided at Company electronic and electromechanical end office switches.

2. FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.

3. FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in E6.3 following, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Local Transport provided. Feature Group B switching provided with Automatic Number Identification (ANI) arrangements, provisioned to an End User(s) where facilities and billing capabilities permit, must be for the End User(s) own use and cannot be resold, pursuant to Florida Public Service Commission Docket No. 900823-TL, Order No. PSC-92-1081-FOF-TL, issued September 30, 1992. (T) (T)

4. The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-0XXX or 950-1XXX for ICs and/or End Users. These uniform access *codes* will be the assigned access numbers of all FGB switched access service provided to the customer by the Company. (T)

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.2 Feature Group B (FGB) (cont'd)

A. Description (Cont'd)

5. FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information services of an information service provider and other customer's services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer and/or End User will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Company exchange service tariffs. Additionally, non-access charges will also be billed for calls from a FGB trunk to another customer's service in accordance with that customer's applicable service rates when the Company performs the billing for that customer. Calls in the terminating direction will not be provided to 950-0XXX or 950-1XXX access codes, local operator assistance (0- or 0+), Directory Assistance (411 where available and 555-1212), service codes (611 and 911 where available or 10XXX access codes). FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D. (T) (T) (T) (T)

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

7. When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.2 Feature Group B (FGB) (cont'd)

B. Optional Features

1. Common Switching Optional Features
   a. Automatic Number Identification (ANI)
   b. Up to 7 Digit Outpulsing of Access Digits to Customer
   c. Alternate Traffic Routing

2. Transport Termination Optional Features
   a. Rotary Dial Station Signaling

3. Switched Transport Optional Features (T)
   a. Customer Specified Entry Switch Receive Level +
   b. Customer Specification of Switched Transport Termination (T)
   c. Supervisory Signaling (as set forth in E6.1.3)

C. Transmission Specifications
FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 9. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

D. Testing Capabilities
FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in E6.1.6 preceding which are included with the installation of service, Additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Non-Scheduled Testing *are available* as set forth in *Section* E13. *following*.

E6.2.3 Feature Group C (FGC)

A. Description

1. FGC is provided at all Company end office switches on a direct trunk basis or via Company designated access tandem switches. FGC switching is provided to the customer (i.e., providers of MTS and WATS) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided. (T)

2. FGC is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, delay dial start-pulsing signals will be provided unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.3 Feature Group C (FGC) (cont'd)

A. Description (Cont'd)

3. FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such switches, the address signaling will be dial pulse, revertive pulse, immediate dial pulse or panel call indicator signaling, whichever is available. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the customer's premises where the Switched Access Service terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Switched Transport provided. (T) (T) (T)

4. No access code is required for FGC Switching. The telephone number dialed by the customer's end user shall be a 7 or 10 digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the customer's end users are NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX. (T) (T)

5. FGC switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information services of an information provider, and other customer's services (by dialing the appropriate codes) when the services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by offices subtending the access tandem may be accessed. Where measurement capabilities exist, the customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Company exchange service tariffs. Additionally, non-access charges will also be billed for calls from a FGC trunk to another customer's service in accordance with that customer's applicable service rates when the Company performs the billing function for that customer. Calls in the terminating direction will not be completed to *950-0XXX or 950-1XXX* access codes, local operator assistance (0- or 0+), Directory Assistance (411 and 555-1212), service codes (611 and 911) and *10XXX* access codes. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C, or D. (T) (T) (T) (T)

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

7. A *WATS* Access Line may, at the option of the customer, be provided for use with FGC Switched Access Service. A *WATS* Access Line provides a connection between a customer end user's premises and a Company end office switch capable of performing the necessary screening functions for 800 Service, WATS or similar services and is provided only for use at the closed end of such services. (T) (T)

   WATS Access Lines are arranged for either originating calling only or terminating calling only. They are provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of the type of signaling is at the option of the customer. (T)

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.3 Feature Group C (FGC) (cont'd)

A. Description (Cont'd)

7. (Cont'd)

WATS Access Lines are provided as either an effective two-wire or effective four-wire transmission path. Each transmission path is provided with Standard Transmission Specifications and Data Transmission Parameters as set forth in E6.4.1.D. and E6.4.2.C. following. At the option of the customer, the *WATS* Access Line may be ordered with the Improved Two-Wire Voice Transmission Specifications (guaranteed specifications are set forth in E6.4.3 following). (T)

B. Optional Features

1. Common Switching Optional Features

a. Automatic Number Identification (ANI)

b. Service Class Routing

c. Dial Pulse Address Signaling

d. Revertive Pulse Address Signaling

e. Delay Dial Start-Pulsing Signaling

f. Immediate Dial Pulse Address Signaling

g. Alternate Traffic Routing

h. Trunk Access Limitation

i. End Office *End User* Line Service Screening for use with WATS Access Line Service

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.3 Feature Group C (FGC) (cont'd)

B. Optional Features (Cont'd)

1. Common Switching Optional Features (Cont'd)

   j. Hunt Group Arrangement for use with WATS Access Line Service
   k. Uniform Call Distribution Arrangement for use with WATS Access Line Service
   l. Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with WATS Access Line Service
   m. Band Advance Arrangement for use with WATS Access Line Service

2. Transport Termination Optional Features

   a. Operator Trunks - i.e., Coin, Non-Coin and Combined Coin and Non-Coin. (Non-Coin Trunks are provided at Company electronic and electro-mechanical and offices. Coin and Combined Coin and Non-Coin are provided only at Company electronic end offices and other Company end offices where equipment is available.)

3. Switched Transport Optional Features (T)
   a. Supervisory Signaling (as set forth in E6.1.3)

4. WATS Access Line Termination Optional Features
   a. E&M Supervisory Signaling

C. Transmission Specifications

1. FGC is provided with either Type B or Type C Transmission Specifications as follows:
   a. When routed directly to the end office either Type B or Type C is provided.
   b. When routed to an access tandem only Type B is provided.
   c. Type B or Type C is provided on the transmission path from the access tandem to the end office.

2. Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 9, whether routed directly to an end office or to an access tandem. (T)

3. Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer's premises and the end office when directly routed to the and office, and Type DB Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office when routed via an access tandem. (T) (T) (T)

D. Testing Capabilities

FGC is provided, in the terminating direction where equipment is available with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line end open circuit test line. In addition to the tests described in E6.1.6 preceding which are included with the installation service, Additional Cooperative Acceptance Testing, Non-Optional Automatic Scheduled Testing, Cooperative Scheduled Testing or Manual Scheduled Testing and Non-Scheduled Testing are available as set forth in Section E13. following for FGC.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.4 Feature Group D (FGD)

A. Description

1. FGD is provided at Company designated electronic end office switches whether routed directly or via Company designated electronic access tandem switches.

2. FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.

3. FGD switching is provided with multifrequency address signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Switched Transport provided. (T) + (T)

4. FGD switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information services of an information service provider and other customer's services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Company exchange service tariffs. (T) (T)

   Additionally, non-access charges will also be billed for calls from a FGD trunk to another customer's service in accordance with that customer's applicable service rates when the Company performs the billing function for that customer. (T) + (T)

   Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 or 555-1212) service codes 611 and 911 and 10XXX access codes. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

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

6. The access code for FGD switching is a uniform access code of the form 10XXX.
   These uniform access codes will be the assigned number of all FGD access provided to the customer by the Company. (T)
   No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that customer as set forth in Section E13. following. (T) (T)
   Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX. (T) (T)

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.4 Feature Group D (FGD) (cont'd)

A. Description (Cont'd)

6. (Cont'd)

Where facilities permit, the customer's operator can be reached by dialing 00. (T)

When the 10XXX access code is used, FGD switching also provides for dialing the digit 0 for access to the customer's operator, 911 for access to the Company's emergency reporting service, or at the customer's option, the end-of-dialing digit (#) for cut-through access to the customer's premises. (T) (T)

7. FGD Switching will be arranged to accept calls from telephone exchange service locations without the need for dialing a 10XXX uniform access code. Each telephone exchange service line will be marked with a presubscription code to identify which 10XXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in *Section* E13. following.

8. A *WATS* Access Line may, at the option of the customer, be provided for use with FGD Switched Access Service. A *WATS* Access Line provides a connection between a customer end user's premises and a Company end office switch capable of performing the necessary screening functions for 800 Service, WATS or similar services and is provided only for use at the closed end of such services. (T) (T)

WATS Access Lines are arranged for either originating calling only or terminating calling only. They are provided with rotary dial or dual tone multifrequency address signaling and either loop start or ground start supervisory signaling. The choice of the type of signaling is at the option of the customer. (T)

WATS Access Lines are provided as either an effective two-wire or effective four-wire transmission path. Each transmission path is provided with Standard Transmission Specifications and DATA Transmission Parameters as set forth in E6.4.1.D and E6.4.2.C following. At the option of the customer, the WATS Access Line may be ordered with the Improved Two-Wire Voice Transmission Specifications (guaranteed specifications are set forth in E6.4.3 following). (T)

9. When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the customer and the Company, the Company will, for 90 days, direct calls dialed by the customer's end users using the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle normally dialed FGD calls as well as calls dialed with the FGB access code which require the customer to receive additional address signaling from the end user. Such calls will be rated as FGD. (T) + (T)

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.4 Feature Group D (FGD) (cont'd)

B. Optional Features

1. Common Switching Optional Features

   a. Automatic Number Identification (ANI)

   b. Service Class Routing

   c. Alternate Traffic Routing

   d. Call Gapping Arrangement

   e. Trunk Access Limitation

   f. End Office End User Line Service Screening for use with WATS Access Line Service

   g. Hunt Group Arrangement for use with WATS Access Line Service

   h. Nonhunting Number for use with Hunt Group Arrangement or Uniform Call distribution Arrangement for use with WATS Access Line Service

   i. Uniform Call Distribution Arrangement for use with WATS Access Line Service

   j. Band Advance Arrangement for use with WATS Access Line Service

   k. Switched digital 56 kbps

   l. Cut-Through

   m. Calling Party Number (CPN)

   n. Charge Number (CN)

   o. Carrier Selection Parameter (CSP)

2. Transport Termination Optional Features

   a. Operator Trunk, Full Feature Arrangement

3. Switched Transport Optional Features (T)

   a. Supervisory Signaling (as set forth in E6.1.3)

   b. Switched digital 56 kbps

4. WATS Access Line Termination Optional Features

   a. E&M Supervisory Signaling

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Director

E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.4 Feature Group D (FGD) (cont'd)

C. Transmission Specifications

1. FGD is provided with either Type A, Type B or Type C Transmission Specifications as follows:

   a. When routed directly to the end office either Type B or Type C is provided.

   b. When routed to an access tandem, only Type A is provided.

   c. Type A is provided on the transmission path from the access tandem to the end office.

2. Type C Transmission Specifications are provided with Interface Group 1. Type A and Type B Transmission Performances are provided with Interface Groups 2 through 9. (T)

3. Type DA Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office. Type DB Data Transmission Parameters are provided with FGD for the transmission path between the customer's premises and the end office when directly routed to the end office. (T) (T)

D. Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in E6.1.6 preceding which are included with the installation of service, Additional Cooperative Acceptance Testing, Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Non-Scheduled Testing, are available for FGD as set forth in E13. following.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.5 Reserved for Future Use

E6.2.6 800 Data Base Query Service

A. Service Description

800 Data Base Query Service is an originating trunk side switched service that is available to the customer via FGD access tandem trunk groups. The service provides for the forwarding of end user dialed 800 calls to a Telephone Company Service Switching Point (SSP) which will initiate an 800 data base query to an 800 data base to perform the customer identification function. The call is forwarded to the appropriate customer based on information contained in the Switching Control Point 800 Data Base. No access code is required for 800 Data Base Query Service. When the 800 call is originated by the end user, the Telephone Company will perform the 800 data base query on the dialed digits to determine the customer location to which the call is to be routed. The 800 data base query will be performed from suitably equipped access tandems. Once customer identification is established, the call will be routed to the customer. 800 calls may be routed to different customers based on the local access transport area in which the call originates, however, calls originating from an end office switch not included in the customer's area of service for 800 Data Base Query Service will not be completed. (T)

B. Deleted

C. 800 Data Base Optional Service Features

In addition to the 1+800+NXX-XXXX call routing described in (A) preceding, at the customer's option, the Telephone Company will perform additional call routing service options as follows.

1. 800 to Local Exchange Number Translation

This option allows an 800 Access Service customer to specify standard local exchange telephone numbers for 800 call completion at the terminating end - when an 800 call is to be routed to a local exchange telephone number, the 800 Access Service customer must provide to its Responsible Organization or the 800 SMS, the full ten digit local exchange number (NPA-NXX-XXXX) to be associated with the 800 number and indicate to which carrier the local exchange telephone number is to be delivered. If the 800 to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as 1+800-NXX-XXXX dialed calls unless the customer also orders the non-chargeable Automatic Number identification feature.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.6 800 Data Base Query Service (Cont'd)

2. Customized 800 Call Routing

This option allows for routing to multiple carriers, or variable terminating locations for 800 call completion based on the following critera.

- time of day
- day of week
- specific days of the year (e.g. December 25)
- percentage of traffic (in one percent increments)
- calling telephone number (unless technical limitations exist which do not provide for originating number identification)

With this option, 800 calls can be delivered to the carrier in either the direct dialed 800 number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten digit local exchange telephone number, if any, into the 800 SMS or provide such information to its Responsible Organization for handling. The rates for 800 Data Base Optional Service Features described above are applied on a per query basis as set forth in E6.8.4 following.

When a combination of one or more of the optional features is requested, only one such charge shall apply.

E6.2.7 900 Access Service

Originating 900 Access Service is a Trunk Side Switched Service that is available to the customer via 900 Access Service Trunk Groups. 900 Access Service Trunk Groups will be provided in conjunction with FGC or FGD Access or in accordance with the technical characteristics of FGC or FGD Access. (T)

When a 1+900+NXX+XXXX call is originated by an end user, the Company will perform the customer identification function to determine the customer location to which the call is to be routed. The customer identification function will be available at suitably equipped end offices or access tandem switches. If a call originates from an end office switch not equipped to provide the customer identification function, the call will be routed to an access tandem, where the customer identification will be performed and the call routed to the customer based on the NXX. (T) + (T)

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.7 900 Access Service (Cont'd)

The manner in which 900 Access Service is provided depends on the status of the end office from which the service is provided (i.e., equipped with equal access capabilities or not equipped with equal access capabilities). When 900 Access Service is provided from an end office equipped with equal access capabilities, all such service will be provisioned in accordance with the technical characteristics available with Feature Group D, except when more than one tandem is employed in the transport of a 900 Access Service call for which standard transmission characteristics are not guaranteed. When 900 Access Service is provided from an end office not equipped with equal access capabilities, all such service will be provisioned in accordance with the technical characteristics available with Feature Group C or D, except when more than one tandem is employed in the transport of a 900 Access Service call for which standard transmission characteristics are not guaranteed.

Additionally, 900 Access Service usage measurement shall be in accordance with the regulations set forth in E6.7.8 following for Feature Groups C and D. Specifically, for usage originating from end offices not equipped with equal access capabilities, access minutes shall be measured in the same manner in which Feature Group C access minutes are measured. For usage originating from end offices equipped with equal access capabilities, access minutes shall be measured in the same manner in which Feature Group D access minutes are measured.

Unless prohibited by technical limitations of the customer's terminating switch (e.g., different dialing plans), the customer's 900 Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-900 Access Service traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for 900 Access Service. 900 Access Service calls originated as 0+, 0-, and 10XXX, originated using calling cards, and originated from Inmate Service, hotel/motel, Company Coin, and toll restricted stations will be blocked. (T) + (T)

900 Access Service originating from equal access end offices with the customer identification function will be provided using Feature Group D signaling with overlap outpulsing. Feature Group D signaling may be provided with or without 10-digit ANI, but not in the same trunk group. 900 Access Service originating from equal access end offices without the customer identification function, or from end offices not having equal access capability, will be provided using traditional signaling. (T) (T)

For 900 Access Service traffic originating from an equal access end office with the customer identification function, Feature Group D parameters as specified in E6.2.4 preceding apply. For 900 Access Service traffic originating from all other end offices, Feature Group C parameters, as specified in E6.2.3 preceding apply. (T)

Premises Interface Codes as set forth in E6.1.3 preceding for FGD also apply to 900 Access Service.

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E6. SWITCHED ACCESS SERVICE

E6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

E6.2.7 900 Access Service (Cont'd)

The Company retains the right to administer its network in such a manner that the impact of traffic surges due to the peaked nature of 900 Access Service traffic on other access service traffic is minimized. Section E6.3.1.A.15 notwithstanding, the Company may, when it deems necessary, implement network management controls to insure acceptable service levels.

In order to ensure deployment of adequate protective network controls, the Company requires that the customer provide notification to the Company's Network Management Center at least two business days before any 900 Access Service event for which a substantial call volume is expected during a short period of time (e.g., media stimulated event). Notification should include the nature, time, duration and frequency of the event, an estimated call volume, and the 900 line number to be used. (T)

The customer is responsible for using 900 Access Service in accordance with this Tariff. 900 Access Service shall not be used for any communication which is prohibited by law, nor in any manner which is unlawful. It is not intended that 900 Access Service be used for any communication which implicitly or explicitly invites, describes, stimulates, arouses, or otherwise refers to sexual conduct, or which contains sexual innuendoes which arouse or attempt to arouse sexual desire. Nor is it intended that 900 Access Service be used or administered in conjunction with misleading, exploitative or similarly abusive business practices. The customer shall cooperate with the Company to resolve complaints which may result from such uses of 900 Access Service. (T) (T)

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E6. SWITCHED ACCESS SERVICE

E6.3. Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

C. Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Company end offices. It is available with Feature Group A. FGA services with different methods of providing off-hook supervisory signaling (i.e., provided by customer's equipment vs. forwarded by customer's equipment when the called party answers) cannot be mixed in the same hunt group arrangement. (T)

D. Uniform Call Distribution Arrangement

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Company electronic end offices only. It is available with Feature Group A.

E. Nonhunting Number for use with Hunt Group or Uniform Call Distribution Arrangement

This option provides an arrangement for an individual line within a multiline hunt or Uniform Call Distribution group that provides access to that line within the hunt or Uniform Call Distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is provided in Company electronic end offices only. It is available with Feature Group A.

F. Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer's premises for calls originating in the LATA, to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer's premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and a customer's premises. (T) (T) (T)

The seven digit ANI telephone number is available with Feature Group B provided using direct-trunked transport and with Feature Group C. With these Feature Groups, technical limitations may exist in Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multi party lines, coin stations and coinless pay telephones using Feature Group B, or when an ANI failure has occurred. (C) (C)

The ten digit ANI telephone number is only available with Feature Group D with multifrequency address signaling. The ten digit ANI telephone numbers consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multi party or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described as follows.)

With FGC, ANI is provided from end offices at which Company recording for end user billing is not provided, or where it is not required, as with 800 Service. It is not provided from end offices for which the Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, Information digits will be provided to the customer. (T)

The Information digits identify:

Telephone number is the station billing number - no special treatment is required.

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

F. Automatic Number Identification (ANI) (Cont'd)

Multiparty line-telephone number is a 4 or 8 party line and cannot be identified - number must be obtained via an operator or in some other manner.

ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner.

Hotel/Motel originated call which requires room number identification.

Coinless station, hospital, inmate, etc., call which requires special screening or handling by the customer, and (T)

Call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment.

The ANI telephone number is the listed telephone number of the end user and is not the telephone number of the calling party. These ANI information digits are available with Feature Groups B, C, and D.

G. Up to 7 Digit Outpulsing of Access Digits to Customer (T)

This option provides for the end office capability of providing up to 7 digits of the uniform access code (*950-0XXX or 950-1XXX*) to the customer's premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B. (T) (T)

H. Cut-Through

This option allows End Users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 10XXX code upon receipt of the end of dialing digit (#). The Company will not record any other dialed digits for these calls. This option is available with FGD. (T) (T)

I. Revertive Pulse Address Signaling

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

The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.

The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the DC path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

K. Immediate Dial Pulse Address Signaling

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

L. Dial Pulse Address Signaling

This trunk side option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer's premises (in either direction) by means of direct current pulses. It is available with Feature Group C. (T)

M. Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer-designated premises, based on the line class of service (e.g., coin or hotel/motel) service prefix indicator (e.g., 0-, 0+, 01+, or 011+) or service access code (e.g., 800 or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D. (T)

N. Alternate Traffic Routing

1. Multiple Customer Premises Alternate Routing (T)

This option provides the capability of directing originating traffic from an end office (or approximately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. (T) (T)

It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

2. End Office Alternate Routing When Ordered in Trunks

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular feature group to an end office via two routes: one route via an access tandem and one direct route. The feature allows the customers' originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with FGB, FGC and FGD. (T) (T)

O. Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls would be routed to reorder tone. (T)

It is provided in all Company electronic end offices and where available in electromechanical end offices. It is available with Feature Groups C and D.

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

P. Call Gapping Arrangement

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

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

Q. Band Advance Arrangement for Use With WATS Access Line Service

This option, which is provided in association with two or more *WATS* Access Line Service (*WALS*) groups, provides for the automatic overflow of terminating calls to a *WALS* group, when that group has exceeded its call capacity, to another *WALS* group with a band designation equal to or greater than that of the overflowing *WALS* group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups C and D.

R. End Office End Use Line Service Screening for use with *WATS* Access Line Service

This *arrangement* provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX *on the basis of geographical bands selected by the Company*) which is in accordance with the end user's agreement with the customer, *e.g.*, WATS. This *arrangement* is provided in all Company *equal access* electronic end offices where *technically capable. This arrangement is also provided*, where available, *to providers of WATS* in electromechanical *and non-equal access electronic* end offices in which *WATS Access Lines are* provided. *All blocked calls will be routed to announcement recording*. It is available with Feature Groups C and D. (T)

The Company will prohibit 10XXX dialing with the standard arrangement when requested by the customer. (T)

S. Hunt Group Arrangement for Use With *WATS* Access Line Service

This option provides the ability to sequentially access one of two or more *WATS* Access Lines (e.g., 800 Service access lines) in the terminating direction, when the hunting number of the *WATS* Access Line Service group is forwarded from the customer to the Company. It is available with Feature Groups C and D. This feature is provided in all Company end offices in which *WATS* Access *Lines are* provided. (T)

T. Uniform Call Distribution Arrangement for use with *WATS* Access Line Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available *WATS* Access Lines in the hunt group. Where available, this feature is only provided in Company electronic end offices in which *WATS* Access *Lines* are provided. It is available with Feature Groups C and D.

U. Nonhunting Number for Use With Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use With *WATS* Access *Lines*

This option provides an arrangement for an individual *WATS* Access Line within a multiline hunt or uniform call distribution group that provides access to that *WATS* Access Line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Company electronic end offices in which *WATS* Access *Lines are* provided. This option is available with Feature Groups C and D.

V. Enhanced Call Denial on Line or Hunt Group

This option allows for the screening of terminating FGA calls for the completion of calls within the LATA of the dial tone office in which the arrangement is provided. Calls will be completed to 411, 611, 911, 800, 555-1212, and NXX's within the LATA of the dial tone office in which the arrangement is provided. Calls will not be completed to 950-0XXX, 950-1XXX, 10XXX, interLATA operator assistance (0+, 00-), operator assistance (0-), 1+interLATA, 0/1+ 900. This feature is provided in all Company electronic end offices and, where available, in electromechanical end offices and is only available with FGA.

E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

W. Switched digital 56 kbps services switching capability

Where available, this option provides for an end office or access tandem capability which allows a connection between the customer's premises and a suitably equipped end user premises utilizing end office or access tandem switching that is capable of transmitting 56 kbps digital data. It is provided in suitably equipped electronic end offices or access tandems and is available only with Feature Group D. (T)

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.1 Common Switching (Cont'd)

X. RESERVED FOR FUTURE USE

Y. RESERVED FOR FUTURE USE

Z. RESERVED FOR FUTURE USE

E6.3.2 Transport Termination

A. Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis. (T)

B. Operator Trunk-Coin, Non-Coin or Combined Coin and Non-Coin

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

Coin

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, or 01+ prefixed originating coin calls requiring operator assistance to the customer's premises. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option. (T)

The operator assistance coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems, rather than in the customer's manual cord boards. (T) (T) (T)

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.2 Transport Termination (Cont'd)

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

Non-Coin

This arrangement provides for the routing of 0+, 0-, 1+ or 01+ prefixed originating non-coin calls requiring operator assistance to the customer's premises. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option. The operator assistance non-coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems, rather than in the customer's manual cord boards. When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory, inmate stations or other screening arrangements agreed to between the customer and the Company. (T)

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E6. SWITCHED ACCESS SERVICE

E6.3 Local Switching Optional Features (Cont'd)

E6.3.2 Transport Termination (Cont'd)

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

Combined Coin and Non-Coin

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+ or 01+ prefixed originating operator assisted coin and non-coin calls requiring operator assistance to the customer's premises. Because operator assisted coin and non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option. (T)

This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems, rather than in the customer's manual cord boards. When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory, or inmate stations, or other screening arrangements agreed to between the customer and the Company. (T) (T) (T)

C. Operator Trunk-Full Feature

This option provides the operator functions available in the end office to the IC's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Transport Termination.

E6.4 Service Provisioning (T)

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. In addition, the WATS Access Line is provided with standard transmission specifications for two-wire and four-wire. The available transmission specifications are set forth in E6.4.1 following. Data Transmission Parameters are also provided with each Switched Access Service transmission path and WATS Access Line. The Company will, upon notification by the customer that the data parameters set forth in E6.4.2.A., B. or C. are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met. (T) (T)

In addition, the WATS Access Line may be optionally provided with Improved Two-Wire Voice Transmission Specifications as set forth in E6.4.3 following.

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

The transmission specifications contained in this section are immediate action limits. Acceptance limits are set forth in Technical Reference (PUB) TR-NPL-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

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BY: F. B. Poag
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EFFECTIVE:

E6. SWITCHED ACCESS SERVICE

E6.4 Service Provisioning (Cont'd) (T)

E6.4.1 Standard Service Provisioning (T)

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Feature Groups and the two Standard Transmission Specifications for *WATS* Access Lines. The specific application in terms of the Feature Groups and Interface Groups with which the Feature Group Standard Transmission Specifications are provided are set forth in E6.2.1.C., E6.2.2.C., E6.2.3.C. and E6.2.4.C. preceding.

E6. SWITCHED ACCESS SERVICE

E6.4 Service Provisioning (Cont'd) (T)

E6.4.1 Standard Service Provisioning (Cont'd) (T)

A. Type A Transmission Specifications

Type A Transmission Specifications *are* provided with the following parameters:

1. Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is +/-2.0 dB.

2. Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -1.0 dB to +3.0 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:

C-Message Noise	Route Miles
32 dBrnCO	less than 50
34 dBrnCO	51 to 100
37 dBrnCO	101 to 200
40 dBrnCO	201 to 400
42 dBrnCO	401 to 1000

4. C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBrnCO.

5. Echo Control

Echo Control, identified as Equal Level Echo Path 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 customer's Point of *Termination (POT)* to the end office or via an access tandem. It is equal to or greater than the following: (T)

Routing Configuration	Echo Return Loss	Singing Return Loss
POT to Access Tandem	21 dB	14 dB
POT to End Office		
- Direct	N/A	N/A
- Via Access Tandem	16 dB	11 dB

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Director

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E6. SWITCHED ACCESS SERVICE

E6.4 Service Provisioning (Cont'd) (T)

E6.4.1 Standard Service Provisioning (Cont'd) (T)

B. Type B Transmission Specifications

Type B Transmission Specifications are provided with the following parameters:

1. Loss Deviation

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

	C-Message Noise[1]	
Route Miles	Type B1	Type B2
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
401 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.

Note 1: For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference *TR-NPL-000334*.

E6. SWITCHED ACCESS SERVICE

E6.4 Service Provisioning (Cont'd) (T)

E6.4.1 Standard Service Provisioning (Cont'd) (T)

B. Type B Transmission Specifications (Cont'd)

5. Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC 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 Point of *Termination (POT)* to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are equal to or greater than the following:

Routing Configuration	Echo Return Loss	Singing Return Loss
POT to Access Tandem		
- Terminated in 4-Wire trunk	21 dB	14 dB
- Terminated in 2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB
- Via Access Tandem		
For FGB access	8 dB	4 dB
For FGC access (Effective 4-Wire transmission path at end office)	16 dB	11 dB
For FGC access (Effective 2-Wire transmission path at end office)	13 dB	6 dB

C. Type C Transmission Specifications

Type C Transmission Specifications *are* provided with the following parameters:

1. Loss Deviation

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

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E6. SWITCHED ACCESS SERVICE

E6.4 Service Provisioning (Cont'd) (T)

E6.4.1 Standard Service Provisioning (Cont'd) (T)

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:

Route Miles	C-Message Noise[1] Type C1	Type C2
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
401 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.

5. Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss, is equal to or greater than the following:

Routing Configuration	Echo Return Loss	Singing Return Loss
POT to End Office - Direct	13 dB	6 dB

D. *WATS* Access Line Standard Transmission Specifications

1. Standard Two-Wire Voice Transmission Specifications

a. Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is + 4.0 dB.

Note 1: For Feature Groups C and D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference *TR-NPL-000334*.

E6. SWITCHED ACCESS SERVICE

E6.4 Service Provisioning (Cont'd) (T)

E6.4.1 Standard Service Provisioning (Cont'd) (T)

D. WATS Access Line Standard Transmission Specifications (Cont'd)

1. Standard Two-Wire Voice Transmission Specifications (Cont'd)

b. Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -3.0 dB to +9.0 dB.

c. C-Message Noise

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

Route Miles	C-Message Noise
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

d. Echo Control

Return Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL 6.0 dB

SRL 3.0 dB

2. Standard Four-Wire Voice Transmission Specifications

a. Loss Deviation

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

b. Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -1.0 dB to +4.5 dB.

c. C-Message Noise

The Maximum C-Message Noise for the transmission path at the route miles listed is less than:

Route Miles	C-Message Noise
less than 50	37 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

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E6. SWITCHED ACCESS SERVICE

E6.4 Service Provisioning (Cont'd) (T)

E6.4.1 Standard Service Provisioning (Cont'd) (T)

D. *WATS* Access Line Standard Transmission Specifications (Cont'd)

2. Standard Four-Wire Voice Transmission Specifications (Cont'd)

d. Echo Control

The Equal Level Echo Path Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL 15.0 dB

SRL 9.0 dB

E6.4.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for Feature Group arrangements. The specific applications in terms of Feature Groups with which they are provided are set forth in E6.2.1.C., E6.2.2.C., E6.2.3.C. and E6.2.4.C. preceding. In addition, *WATS* Access Lines are provided with Data Transmission Parameters. Following are descriptions of each.

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E6.4 Service Provisioning (Cont'd) (T)

E6.4.2 Data Transmission Parameters (Cont'd)

A. Data Transmission Parameters - Type DA

1. Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

2. Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

less than 50 route miles	500 microseconds
equal to or greater than 50 route miles	900 microseconds

1004 to 2404 Hz

less than 50 route miles	200 microseconds
equal to or greater than 50 route miles	400 microseconds

3. Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dBrnCO threshold in 15 minutes is no 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)	33 dB
Third Order (R3)	37 dB

5. Phase Jitter

The Phase Jitter over the 4 to 300 Hz frequency band is less than or equal to 5 degrees peak-to-peak.

6. Frequency Shift

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

B. 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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E6.4 Service Provisioning (Cont'd) (T)

E6.4.2 Data Transmission Parameters (Cont'd)

B. Data Transmission Parameters - Type DB (Cont'd)

2. Envelope Delay Distortion

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

E6. SWITCHED ACCESS SERVICE

E6.4 Service Provisioning (Cont'd) (T)

E6.4.2 Data Transmission Parameters (Cont'd)

B. Data Transmission Parameters - Type DB (Cont'd)

2. Envelope Delay Distortion (Cont'd)

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 dBrnCO threshold in 15 minutes is no 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

5. Phase Jitter

The Phase Jitter over the 4 to 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.

C. *WATS* Access Line Data Transmission Parameters

1. Signal to C-Notched Noise Ratio

The maximum Signal-to-C-Notched Noise Ratio is 30 dB.

2. Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands specified is:

1000 microseconds	604 to 2804 Hz
500 microseconds	1000 to 2404 Hz

3. Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

E6. SWITCHED ACCESS SERVICE

E6.4 Service Provisioning (Cont'd) (T)

E6.4.2 Data Transmission Parameters (Cont'd)

C. *WATS* Access Line Data Transmission Parameters (Cont'd)

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

5. Phase Jitter

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

6. Frequency Shift

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

E6.4.3 WATS Access Line

A. Improved Two-Wire Voice Transmission Specifications

1. Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

2. Attenuation Distortion

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

3. C-Message

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

Route Miles	C-Message Noise
less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

4. Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

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E6. SWITCHED ACCESS SERVICE

E6.5 Obligations of the Company (Cont'd)

In addition to the obligations of the company set forth in E2, preceding, the Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

E6.5.1 Network Management

The Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Company network. The Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Company or customer facilities, natural disasters, mass calling or national security demands. In the vent that the protective controls applied by the Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in E2.4.4 preceding. (T) (T) (T) (T)

E6.5.2 Design and Traffic Routing of Switched Access Service

When ordering line side or trunk side Switched Access Services, the customer must, at a minimum, specify the Switched Transport facilities to be used (i.e., Entrance Facility, Direct-Trunked Transport, and Tandem-Switched Transport). When specifying the Switched Transport facilities to be used, the customer must indicate if the facilities are new or existing. The customer is also required to specify whether the service should be provided by originating only, terminating only, or two-way trunk groups. (D) + (N) +

For Feature Groups A and B, the line or trunk directionality and traffic routing of the Switched Access Service between the customer's premises and the entry switch are determined by the customer's order for service. The Telephone Company will compare the customer's request with its own traffic routing plan and available facilities and equipment to determine whether the customer's request can be met. The Telephone Company is responsible for selection of facilities from the interface to any switching point and to the end offices where capacity is ordered.

Except for Feature Group B, the Telephone Company will also decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and the Telephone Company traffic routing plans. If the customer desires directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining the directionality of the service. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Switched Transport Termination. (D) (N)

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E6. SWITCHED ACCESS SERVICE

E6.5 Obligations of the Company (Cont'd)

E6.5.3 Provision of Service Performance Data (M) + (T) (T) (D) +

Subject to availability, end-to-end service performance data available to the Company through its own service evaluation routines, may also be made available to the customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and non-completion performance, e.g., customer equipment blockage, failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

E6.5.4 Trunk Group Measurements Reports

Subject to availability, the Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals. (M)

E6.5.5 Determination of Number of Transmission Paths

When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Groups B, C or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic. (N) + (N) (D)

E6.5.6 Determination of Number of End Office Transport Terminations

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

E6.5.7 Design Blocking Probability

A. The Company will design and monitor the capacity of the Switched Access Services to be provided to meet the blocking probability criteria as set forth in 1. through 4 following. (C)

1. For Feature Groups A and B, no design blocking criteria apply.

2. For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's 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 Company to determine the number of transmission paths required to achieve this level of blocking. (T)

3. For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or when routed via an access tandem. Standard traffic engineering methods as set forth in Reference Document PUB SR EOP-000191 Trunk Traffic Engineering Concepts and Applications will be used by the Company to determine the number of transmission paths required to achieve this level of blocking. (T)

4. The design blocking criteria for 800 Access Service or 900 Access Service provided from an end office not equipped with equal access capabilities will be equivalent to that set forth preceding for Feature Group C except when more than one tandem is employed in the transport of an 800 Access Service or 900 Access Service call. The design blocking criteria for 800 Access Service or 900 Access Service provided from an end office quipped with equal access capabilities will be equivalent to that set forth preceding for Feature Group D except when more than one tandem is employed in the transport of an 800 Access Service or 900 Access Service call. In the event of a 900 Access Service media stimulated call, the design blocking objective of no greater than one percent (.01) will not be guaranteed.

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E6. SWITCHED ACCESS SERVICE

E6.5 Obligations of the Company (Cont'd)

E6.5.7 Design Blocking Probability (Cont'd)

A. (Cont'd)

5. The Company will perform routine measurement functions for the capacity ordered, whether ordered in lines or trunks, in accordance with Company design blocking criteria to assure that an adequate number of transmission paths are in service. The Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. Where design blocking criteria apply, 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. (T) (T)

a. For transmission paths carrying only first routed traffic direct between an end office and a customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows: (T)

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

b. For transmission paths carrying first routed traffic between an end office and a customer's premises via an access tandem, the measured blocking thresholds are as follows: (T) (T)

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of 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

E6. SWITCHED ACCESS SERVICE

E6.6 Obligations of the Customer

In addition to the obligations of the customer set forth in Section E2. preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows: (T)

E6.6.1 Report Requirements

A. Customers are responsible for providing the following reports to the Company, when applicable. (T)

1. Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in E2.3.14 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in E2.3.15. preceding. (T) (T)

2. Code Screening Reports

When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered. (T)

3. 800/900 NXX Code Testing

When ordering 800 Access Service or 900 Access Service, the customer will reserve and assign within their network the 800/900 NXX-4141 as an access test number(s). The Company will use this number to verify that 800/900 Access Service is being provided to the customer's network when the customer's 800/900 NXX is activated in the Company's network. (T) (T) (T)

4. 800/9900 NXX Code Trouble Reporting

When ordering 800 Access Service or 900 Access Service, customer will reserve and assign within their network the 800/900 NXX-0000 as a trouble reporting number(s). The Company will use this number(s) to assure the customer that originating 800/900 Access Service trouble reports are being reported to their trouble reporting centers. (T) (T)

E6.6.2 Supervisory Signaling

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

E6.6.3 Trunk Group Measurement Report

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format. (T)

E6.6.4 Design of Switched Access Services

When a customer orders Switched Access Service on a per line or trunk basis, it is the customer's responsibility to assure that sufficient access service facility quantities have been ordered to handle its traffic. (T)

E6.7 Rate Regulations

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

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.1 Description and Application of Rates and Charges

A. There are three types of rates and charges that apply to Switched Access Service. These are monthly recurring rates including fixed and per mile, usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth following. (C)

1. Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided regardless of the amount of usage. Monthly rates may be either distance sensitive (per mile) or non-distance sensitive (fixed). For billing purposes each month is considered to have 30 days. (C) (C)

2. 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 or on a per call basis. Usage rates are accumulated over a monthly period.

3. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements, 800 Access Service and 900 Access Service.

a. Installation of Service

Nonrecurring charges apply to each Switched Access service installed. For FGA, the per line installation charge is applicable. For FGB, FGC, FGD, 800 and 900, the per trunk installation charge is applicable on a per end office or tandem basis. For Switched Transport Services (i.e., Entrance Facility, Direct-Trunked Transport and Tandem-Switched Transport), the per trunk installation charge is applicable for each Voice Grade, DS1 or DS3 facility. (N) + (N) (D) + (D)

b. If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

c. Service Rearrangements

All changes to existing services other than changes involving administrative activities only will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring charge described in a. preceding will apply for this work activity. Moves that change the physical location of the point of termination are described and charged for as set forth in E6.7.7 following.

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.1 Description and Application of Rates and Charges (Cont'd)

A. (Cont'd)

3. Nonrecurring Charges (Cont'd)

c. Service Rearrangements (Cont'd)

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

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name - e.g., AT&T Long Lines to AT&T Communications), (T) (T)
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment. (T)
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification, (T)
- Change of billing account number,
- Change of customer test contact number, (T)
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

The nonrecurring charges associated with rerouting trunks from tandem to end office or from end office to tandem transport will be waived for service rearrangements ordered prior to July 1, 1994. This waiver of nonrecurring charges includes nonrecurring charges for installation of new facilities between the Telephone Company serving wire center and the customer's designated premises when such facilities are required to provision rerouted trunks. The following conditions must be met in order for the charges to be waived:

- The customer must maintain the same customer premises location. Requests to add or change optional features will be subject to the charges applicable to the features.
- Direct routed end office trunks must subtend the tandem from which the service is being rearranged.
- One trunk at the end office or tandem must be disconnected for each rerouted tandem or end office trunk installed with the following exception. If the customer demonstrates that industry accepted engineering standards require the installation of additional trunks, the nonrecurring charges for such additional trunks will also be waived.
- The order to disconnect from the tandem or end office must be placed at the same time as the order to connect at the tandem or end office. The due date for the disconnect order may not be more than 90 days after the due date for the order to install the tandem or end office trunk. Requests to rearrange trunks must be received by the Telephone Company no later than July 1, 1994.

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.1 Description and Application of Rates and Charges (Cont'd)

A. (Cont'd)

3. Nonrecurring Charges

d. When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path).

e. 800 Data Base Query Service

A per call charge as specified in E6.8.4 following applies on a per query basis for each 800 call query received at the 800 data base. When a combination of one or more of the optional features is requested, only one such charge shall apply.

f. 900 Access Service

A nonrecurring charge as specified in E6.8.2.E following applies to the activation of 900 NXX codes to be routed to a customer in the operating territory of the Company. The charge applies to the initial loading of each 900 NXX code required to establish service and to any subsequent changes to these codes. There are two nonrecurring charges. The first 900 NXX code nonrecurring charge applies for the first 900 NXX code submitted on an Access Service Request (ASR) and is assessed per each Company End Office of Access Tandem in which translations are required to route 900 NXX calls to the customer. The additional 900 NXX code nonrecurring charge applies for each additional 900 NXX code submitted on the same ASR and is assessed per each Company End Office or Access Tandem in which translations are required to route 900 NXX calls to the customer. (T) (T) (T)

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E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.2 Minimum Periods

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

E6.7.3 Switched Access Service for Resale of Other Customer Service (T)

When the customer plans to use line side Switched Access Service to collect the traffic of its customers in association with the resale of a customer service that is provided through the use of originating only *WATS* Access Line Service provided under this Tariff (i.e., resale of WATS), the following regulations, rates and charges shall apply. (T) (T)

A. The customer shall notify the Company in writing that line side Switched Access Service is to be used in association with the resale of *WATS* Access Line Service. With its notification, the customer shall furnish the following data: (T) (T)

1. The number of *WATS* Access Line Services in the LATA that it is reselling in association with the line side Switched Access Service, and

2. The customer premises (i.e., closed end user location) where the *WATS* Access Line Services are terminated, and (T)

3. When both line side (i.e., FGA) and trunk side (i.e., FGB, FGC and FGD) Switched Access Service are used in association with the resale of WATS Access Line Service, the number of WATS Access Line Services to be associated with each line side or trunk side Switched Access Service. If this split is not reported, the Company will assume all WATS Access Line Services are to be associated with line side Switched Access Service.

The preceding information and the information required in B. following must be reported for each LATA in which the customer is reselling services. For those LATAs that are multistate LATAs, the customer must report the information by state within the LATA. In order for the rate treatment in D. following to apply, both the Switched Access Service and the associated WATS Access Line Services must be in the same state and be provided by the same Company. (T)

B. Each of the Switched Access Services used by the customer in association with the resale of *WATS* Access Line Service must be in the same LATA as the *WATS* Access Line Services in order for such Switched Access Service to be rated as set forth in D. following. The switched Access Service must also be connected either directly or indirectly to the customer's premises at which the associated *WATS* Access Line Services are terminated. Direct connections are those where the Switched Access Service is terminated at the same customer's premises. Indirect connections are those where the Switched Access Service is terminated at a second customer premises in the same LATA, which is in turn connected to the first customer premises by facilities that can be used by the Switched Access Service to reach the first customer premises (i.e., the customer premises where the *WATS* Access Line Services are terminated). When more than one customer premises is involved in a LATA, the customer shall notify the Company in writing and shall report the locations of the involved customer premises. (T) (T) (T) + (T)

C. For the initial month, the data that the customer reports as set forth in A. and B. preceding will be used by the Company to determine the rates and charges as set forth in D. following. For each subsequent month, the customer must update the report per A. and B. preceding for each LATA for the preceding monthly period. The report shall be delivered to the Company, at a location specified by the Company, no later than 15 days after the bill date shown on the *WATS* Access Line Services bill. If an updated report is required but is not received by the Company during the monthly period after the initial monthly period, the Company will assume there are no resold *WATS* Access Line Services associated with Switched Access Services in the LATA. The rate treatment set forth in D. following will not apply in these cases. (T) (T)

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.3 Switched Access Service for Resale of Other Customer Service (Cont'd) (T)

D. When the customer reports Switched Access Services associated with the resale of WATS access Line Services in a LATA as set forth in A., B. and C. preceding, and the Company verifies the reports are accurate, such Switched Access Services will be rates as follows: (T)

1. For line side Switched Access Services (i.e., FGA) in a LATA associated with the resale of WATS Access Line Services, the LATA access minutes used to determine the charges for Switched Transport, Local Switching (LS1) and Line Termination will be reduced by the total number of minutes each WATS Access Line Service reported by the customer as set forth in A., B. or C. preceding. However, the access minutes for the line side Switched Access Services in the LATA, adjusted as set forth in this or any other section of this Tariff, that are billed to a customer in a monthly period shall not be less than zero. The adjustment will be made to the involved customer account no later than either the next bill date, or the one subsequent to that, depending on when the report is received. (T) (T) (T) (T) (T)

E. When the customer notifies the Company that Switched Access Service is to be used in association with the resale of WATS Access Line Service, the notification automatically grants the Company the right to audit (1) the customer's premises to verify the use of facilities as reported in A., B. or C. preceding, and (2) all of the records, work papers and back up documentation for each report as set forth in A., B. or C. preceding. The Company also has the right to contact and review the records of other involved entities to verify the data the customer reports is accurate. (T) (T) (T)

All of the records, work paper and backup documentation for each report furnished the Company as set forth in A., B. or C. preceding shall be available (for one year from the date of the report) during normal business hours at a customer location in the involved LATA, upon reasonable request by the Company, in order to permit a review by the Company auditor or outside auditor under contract to the Company. If the records, work papers and backup documentation are not provided or are insufficient or not in accordance with the provision of this paragraph and A., B. and C. preceding, the adjustments and rates as set forth in D. preceding shall not apply until the deficiencies are corrected and new reports as required in A., B. and C. preceding are delivered to the Company. (T)

F. When the customer reports line side Switched Access Services associated with the resale of WATS Access Line Service in a LATA, as set forth in A., B. or C. preceding, the regulation set forth in E3.7.D. preceding shall apply. (T)

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.4 Minimum Monthly Charge

A. Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge consists of the following elements:

1. For those rate elements that are billed a flat monthly rate, i.e., *WATS* Access Line, the minimum monthly charge is the monthly rate as set forth in E6.8 following.

2. The minimum monthly charge for the Interconnection, Tandem-Switched Transport, Local Switching and Line Termination rate elements is the sum of the charges as set forth in E6.8.1.A., E6.8.2.A. and B. following for the measured or assumed usage for the month. For flat rated Switched Access services, the minimum monthly charge for the Entrance Facility and Direct-Trunked Transport rate elements is the applicable monthly rate for the service. (T) (N) + (N)

E6.7.5 Reserved for Future Use

E6.7.6 Change of Feature Group Type

Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with one exception. When a customer upgrades a Feature Group A, B, or C service to a Feature Group D service of the same capacity in the same end office, the nonrecurring charges will not apply. (T)

At the time the customer upgrades from FGA, FGB or FGC to FGD, the customer may also change the facility used to provide the upgraded service. This change will be made at no additional charge and may include a change in the connection type (e.g., Voice Grade to DS1) and/or a change in the facility type (e.g., Direct-Trunked Transport to Tandem-Switched Transport). (N) + (N)

When a customer upgrades a Feature Group A, B or C service to Feature Group D service, minimum period obligations will not change, i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for Feature Group D service. For all other changes from one type of Feature Group to another, new minimum period obligations will be established. (T)

E6.7.7 Moves

A. A move involves a change in the physical location of one of the following:

1. The point of termination at the customer premises (T)

2. The customer premises (T)

B. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

1. Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring charge (*i.e., installation*) for the capacity affected. There will be no change in the minimum period requirements.

2. Moves to a Different Building

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

ISSUED:
BY: F. B. Poag
Director

EFFECTIVE:

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.8 Measuring Access Minutes

Customer traffic to end offices switches will be measured (i.e., recorded or assumed) by the Company at end office switches or access tandem switches. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Company to determine the basis for computing chargeable access minutes. For terminating calls over FGA, FGB, FGC to 800 and FGD, and for originating calls over FGA where the off-hook supervisory signal is provided by the customer's equipment and FGB and FGD, the measured minutes are the chargeable access minutes. for originating calls over FGA where the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers and FGC, chargeable originating access minutes are derived from recorded minutes in the following manner. (T) (T) (T)

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

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, 900 and directory assistance from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgement from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts. (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 incompleted attempts. The total NCTA is the time on a completed attempt from customer acknowledgement of receipt of call to called party answer (set up and ringing) plus the time on an incompleted attempt from customer acknowledgement 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. (T) (T)

Step 4: Obtain total chargeable originating access minutes by adding the total NCTA (obtained in Step 3) to the recorded measured minute (obtained in Step 1). That is, Measured Minutes plus NCTA equals Chargeable Originating Access Minutes.

Following is an example which illustrates how the chargeable originating access minutes are derived from the measure originating minutes using this formula.

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

1. Total Attempt - $\dfrac{1{,}000 \text{ (M. Mes)}}{.75 \text{ (CR)}} = 1{,}333.33$

2. Total NCTA - .4 (NCTA per Attempt) x 1,333.33 = 533.33

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.8 Measuring Access Minutes (Cont'd)

3. Total Chargeable Originating Access Minutes = 7,000 (m. Min) + 533.33 (NCTA) = 7,533.33

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

FGA access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group. FGB, FGC and FGD access minutes or fractions thereof, exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

Assumed minutes are used for FGA service which originates or terminates in end offices not equipped with measurement capabilities. The assumed average intrastate access minutes for FGA is as set forth in E3.7.C. preceding.

When a FGA service arranged for two-way calling is provided where the originating and/or terminating access minutes are not recorded, the assumed average intrastate access minutes, by direction, are set forth in E3.7.C. preceding. Where one direction is measured and the other is not, the assumed minutes for the unmeasured direction are used. However, the total minutes will not exceed the actual recorded minutes or the sum of the originating and terminating assumed minutes, whichever is greater.

When a FGA service arranged for one-way (i.e., originating only or terminating only) calling is provided where the access minutes are not recorded, the assumed average intrastate access minutes of use are as set forth in E3.7.C. preceding.

A. Feature Group A Usage Measurement

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. (T)

The measurement of originating call usage over FGA ends when the originating FGA entry 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. (T)

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. (T)

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.8 Measuring Access Minutes (Cont'd)

B. Feature Group B Usage Measurement

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. (T) (T)

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. (T)

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 over 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. (T)

C. Feature Group C Usage Measurement

For originating calls over FGC, usage measurement begins when the originating FGC entry switch receives answer supervision from the customer's point of termination, indicating the called party has answered. (T)

The measurement of originating call usage over FGC ends when the originating FGC 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. (T)

For terminating calls over FGC to services other than 800, 900 or Directory Assistance, terminating FGC usage may not be directly measured at the terminating entry switch, but may be imputed from originating usage, excluding usage from calls to 800, 900 or Directory Assistance Access Services. Actual measured usage will be used where available rather than an imputed value.

For terminating calls over FGC to 800 Service, usage measurement begins when the terminating FGC entry switch receives answer supervision from the terminating end user's end office, indicating the terminating 800 Service end user has answered.

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.8 Measuring Access Minutes (Cont'd)

C. Feature Group C Usage Measurement (Cont'd)

The measurement of terminating call usage over FGC to 800 Service ends when the terminating FGC entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating 800 Service end user has disconnected, or from the customer's point of termination, whichever is recognized first by the entry switch. (T)

D. Feature Group D Usage Measurement

For originating calls over FGD, usage measurement begins when the originating FGD entry switch receives the first wink supervisory signal forwarded from the customer's point of termination. (T)

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. (T)

For terminating calls for FGD, the measurement of access minutes begins when the terminating 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 FGD ends when the terminating 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. (T)

ISSUED:
BY: F. B. Poag
Director

EFFECTIVE:

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.9 Network Blocking Charge for Feature Group D

The customer will be notified by the Company to increase its capacity (busy-hour-minutes-of-capacity or quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic. Excessive trunk group blocking occurs when the blocking thresholds as described in E6.5.7 preceding are exceeded. If the order for sufficient additional capacity to handle a customer's traffic has not been received by the Company within 15 days of the notification, the Company will bill the customer, at the rate set forth in E6.8.1.C. following, for each overflow in excess of the chargeable threshold. (T) (T) (T)

CHARGEABLE THRESHOLDS

For Trunk Groups As Specified in E6.5.7.A.5.a

Trunk Group Size	Allowable Overflows Per Trunk Per Month
1 - 2	18
3 - 4	19
5 - 6	13
7 - 40	10
41 - 139	9
140 - 500	8
501 or greater	7

For Trunk Groups As Specified in E6.5.7.A.5.b

Trunk Group Size	Allowable Overflows Per Trunk Per Month
1 - 4	10
5 - 6	8
7 - 125	6
126 or greater	5

E6.7.10 Application of Rates for Extension Service

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different building(s) in the same LATA or, by access to a customer's facilities, additional terminations of the service at different building(s) in a different LATA. Feature Group A extensions in the same Company Local Exchange as the dial tone office are charged for under the Company's General Customer Services Tariff. (T)

Feature Group A extensions in a different Company Local Exchange as the dial tone office are charged for as Special Access Service. The rate elements which apply are: voice grade local channels; interoffice channel mileage, if applicable, and signaling capability (optional features and functions), if applicable. Feature Group A extensions provided through a customer's facilities to different LATA's are charged for as Special Access Service in both the LATA where the extension originates and the LATA where the extension terminates. The rate elements which apply in each LATA to access the customer's facilities are: voice grade channel terminations, channel mileage, if applicable, and signaling capability (optional features and functions), if applicable. All appropriate monthly rates and nonrecurring charges set forth in Section E7. following will apply. Such extensions are ordered as set forth in Section E5. preceding. (T) (T)

ISSUED:
BY: F. B. Poag
Director

EFFECTIVE:

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.11 Message Unit Credit

Calls from end users to the seven digit local telephone numbers associated with Feature Group A Switched Access Service are subject to Company local and/or general exchange service tariff charges (including message unit and toll charges as applicable). The monthly bills rendered to customers for their Feature Group A Switched Access Service will include a credit to reflect any message unit charges collected from their end users under the Company's local and/or general exchange service tariffs. No Message Unit Credit is given on the access minutes that have been prorated as set forth in E6.7.3 preceding. (T)

The credit will apply for recorded originating usage or for assumed, originating usage, as appropriate, for the FGA service provided. When the credit is applied on assume usage, such credit will not exceed the assumed levels of usage set forth in E3.7 preceding. No credit will apply for any terminating FGA access minutes.

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.12 Local Information Delivery Services

Calls over Switched Access in the terminating direction to certain community information services will be rated under the applicable rates for Switched Access Service as set forth in E6.8 following. In addition, the charges per call if specified under the company's tariffs are also applicable.

E6.7.13 Mileage Measurement (N) (M) + +

The mileage to be used to determine the rate for Direct-Trunked Transport and Tandem-Switched Transport is calculated based on the airline distance between the end office switch where the call carried by Switched Transport service originates or terminates and the customer's serving wire center, except as set forth in (A) through (M) following. The V&H coordinates method is used to determine mileage. This method is set forth in the Exchange Carrier Association Tariff F.C.C. No. 4 for Wire Center Information (V&H coordinates). If the mileage calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

Exceptions to the mileage measurement rules are as follows:

A. When Switched Transport facilities of different capacities or bandwidths are interconnected by a multiplexer at a location other than the serving wire center, mileage is determined using the V&H coordinates method as set forth following:

1. When only one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured separately from the serving wire center to the hub where multiplexing (i.e., facilities interconnection) occurs and then measured from the hub to the end office where the call is switched to originate or terminate.

2. When more than one multiplexer is involved, mileage for Direct-Trunked Transport and Tandem-Switched Transport is measured successively from the serving wire center to the first hub, from the first hub to the second hub, and then from the second hub to the end office where the call is switched to originate or terminate.

   If more than two hubs are involved, mileage is measured successively between each intervening hub, with the final measurement being from the last hub to the end office where the call is switched to originate or terminate.

B. When transport is provided to a host/remote arrangement, Tandem-Switched Transmission rates apply from the Host office to the associated RSMs/RSSs. Mileage for Tandem-Switched Transmission is calculated from the V&H coordinates of the Host office and the RSS/RSM where the call originates or terminates. Additional Tandem-Switched Transport or Direct-Trunked Transport rates apply depending on the transport service provided from the host remote arrangement.

C. When Switched Transport is provided to a Class 4/5 switch (i.e., a switch that functions as both an access tandem and end office) for both access tandem routing and end office routing, mileage is calculated using the V&H coordinates method. As set forth in 6.1.3, Switched Transport from the serving wire center to the hub that interconnects the Direct-Trunked Transport and the Tandem-Switched Transport facilities is considered to be Direct-Trunked Transport.

   Direct-Trunked Transport is measured from the serving wire center to the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities and then measured from the hub to the end office.

   Tandem-Switched Transmission is measured from the hub interconnecting the Tandem-Switched Transport and the Direct-Trunked Transport facilities to the end office where the call is switched to originate or terminate. (N) (M)

ISSUED:
BY: F. B. Poag
Director

EFFECTIVE:

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.13 Mileage Measurement (Cont'd)

D. When Direct-Trunked Transport is provided for line side Switched Access services (i.e., FGA), both Direct-Trunked Transport and Tandem-Switched Transmission rates apply. (N +

Direct-Trunked Transport applies to both originating and terminating usage, and mileage is calculated using the V&H coordinates of the customer's serving wire center and the end office switch where the dial tone for the line side Switched Access service is provided.

Tandem-Switched Transmission applies only to terminating usage, and mileage is calculated using the V&H coordinates of the dial tone office and the end office where the call is switched to terminate.

E. Mileage for access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis, using the V&H coordinates method, between the end office switch where the Feature Group A switching dial tone is provided and the customer's serving wire center for the Switched Access Service provided. This exception does not apply to access minutes originating and/or terminating in an Extended Area Service area. Extended Area Service area mileage measurement exceptions are found in (L) following.

F. When trunks are rerouted from an end office to an access tandem as set forth in 6.7.1(A)(3)(c) preceding, the Switched Transport mileage will be calculated on the airline distance between the end office and the serving wire center of the customer's POP associated with that access tandem.

G. When the Alternate Traffic Routing optional feature is provided with Feature Groups B, C and D to provide service from an end office to different customer premises locations, Switched Transport access minutes will be apportioned between the two transmission routes used to provide this feature. For Feature Groups B and C, such apportionment will be made using standard Telephone Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 6.3.1(N) preceding, and the relative capacity ordered to the end office, when the feature is provided at an end office switch, or to the subtending end offices when the feature is provided at an access tandem switch. For Feature Group D, the apportionment will be based on the actual measured data which is recorded against the specific trunk group that carried a particular call. This apportionment will serve as the basis for the Switched Transport mileage calculation. The customer will be billed accordingly.

H. Switched Transport mileage for access minutes originating from or terminating at a remote switching system (RSS) or remote switching module (RSM) that shares an NXX with its host office will be based on the airline miles between the customer's serving wire center and the host office. Switched Transport mileage for access minutes originating from or terminating at an RSS or RSM that has its own NXX (i.e., different from the host's NXX) will be based on the airline miles between the customer's serving wire center and the RSS or RSM.

I. When terminating Feature Group C Switched Access Service is provided from multiple customer premises to an end office not equipped with measurement capabilities, the total Switched Transport access minutes for that end office will be apportioned among the trunk groups accessing the end office on the basis of the capacity ordered for each FGC trunk group. This apportionment will serve as the basis for Switched Transport mileage calculation and the customer will be billed accordingly.

J. When FGA calls terminate within the local calling area of the dial tone office, the Switched Transport mileage will be calculated on an airline basis between the customer's serving wire center and the dial tone office.

K. Switched transport mileage for 800 and 900 Access Service is based on the airline distance between the end office switch where the 800 or 900 Access Service traffic originates and the customer's serving wire center. (N)

ISSUED:
BY: F. B. Poag
Director

EFFECTIVE:

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.13 Mileage Measurement (Cont'd)

L. Where the customer utilizes FGA Switched Access Service for calls between a Primary Exchange Carrier and a Secondary Exchange Carrier within the same Extended Area Service calling area as set forth in 6.7.1(D)(5) preceding, where the Primary and Secondary Exchange Carriers are not the same Telephone Company and do not provide service under the same access service tariff, the Primary Exchange Carrier and Secondary Exchange Carrier will calculate mileage for Premium and Transitional rated access minutes in the originating direction over Feature Group A Switched Access Services as follows: (N) +

1. The Primary Exchange Carrier will calculate originating mileage on an airline basis, using the V&H coordinates method. This mileage measurement will be between the first point of switching (end office switch where the Feature Group A switching dial tone is provided) and the customer's serving wire center.

2. The Secondary Exchange Carrier will calculate originating mileage on an airline basis using the V&H coordinates method. This mileage measurement will be between the first point of switching (end office switch where the Feature Group A switching dial tone is provided) and the end user's end office switch.

M. Where Feature Groups A, B, C and D Switched Access Services are connected with Special Access Service at a WATS Serving Office, the Telephone Company will measure mileage on an airline mileage basis between:

1. The WATS Serving Office and the Serving Wire Center for the customer designated premises, or

2. The Feature Group A or B entry switch and the Serving Wire Center for the customer designated premises. (N)

ISSUED:
BY: F. B. Poag
Director

EFFECTIVE:

E6. SWITCHED ACCESS SERVICE

E6.7 Rate Regulations (Cont'd)

E6.7.14 Application of Rates (M) +

A. Rates are applied as premium, non-premium or transitional rates. The non-premium rates are determined by discounting the premium rates by 35 percent. The transitional rates are determined by developing a weighted composite of the premium and non-premium rates based on the level of equal access deployment in the EAEA. The specific application of these rates for a specific customer is dependent upon the Feature Group and the availability of equal access capabilities. (T)

B. Premium rates apply to all FGC access minutes. Premium rates apply to FGD access minutes except as set forth in C. following. (T) (T)

C. When FGA, FGB, 800 Service or 900 Service Switched Access Service is provided to an entry switch (i.e., the dial tone office for FGA and the access tandem for FGB), the premium, non-premium and transitional rates will be determined and applied separately for each EAEA, except for AT&T whose FGB Terminating Service, 800 Access Service or 900 Access Service will be billed at the same rate as set forth for FGC and FGD, in the following manner:

1. All access minutes that originate or terminate in an EAEA where all end offices are equipped for equal access will be billed at premium rates. (Access Minutes X Premium Rate) (T)

2. Access minutes that originate or terminate in an EAEA where no end offices are equal access capable will be billed at non-premium rates. (Access Minutes X Premium Rate X Discount Percentage) (T)

3. Access minutes that originate or terminate in an EAEA where a portion of the end offices have been equipped for equal access will be billed at transitional rates as set forth following: (T)

   a. The number of subscriber lines (i.e., exchange service lines, Centrex lines and Centrex-type lines) served by end offices equipped for equal access within an EAEA expressed as a percent of the total subscriber lines in an EAEA will be determined each month. This percentage (Factor 1) represents the percent of subscriber lines service by end offices equipped with equal access. The complement of this percentage (Factor 2) represents the percent of subscriber lines served from end offices not equal access capable.

   b. Factor 1 is multiplied by 100% to calculate the weighted premium rate percentage.

   c. Factor 2 is multiplied by 65% (100%-35%) to calculate the weighted transitional rate percentage.

   d. The two resulting weighted percentages are then added together and multiplied by the premium rate to determine the effective rate level to be applied to all access minutes that originate or terminate in an EAEA. (M)

4. The number of subscriber lines as required in 3.a preceding will be provided to the billing entity, to be received no later than 15 days after the first of each month. The billing entity will assume the number of lines to be unchanged if no report is received by the 15th of each month. The billing entity will use the most recent calendar month data available when making the calculations set forth in 3.a. preceding.

ISSUED:
BY: F. B. Poag
Director

EFFECTIVE:

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges

E6.8.1 Interconnection Charge

	Rate	
- per access minute	$ 0.017496	(N) +

E6.8.2 Switched Transport

A. Entrance Facility

	Monthly Rate	Nonrecurring Charge	
		First	Add'l
1. Voice Grade			
- Per Point of Termination			
- Two Wire	$ 20.76	$281	$ 97
- Four Wire	$28.54	$295	$106
2. DS1			
- Per DS1	$112.70	$745	$335
3. DS3			
- Per DS3	$1360.00	$1118	$503

B. Direct-Trunked Transport

	Monthly Rate		Nonrecurring Charge
	Fixed	Per Mile	
1. Voice Grade			
- Per Channel	$ 12.82	$ 1.42	$ 87
2. DS1			
- Per DS1	$ 25.75	$ 21.64	$200
3. DS3			
- Per DS3	$224.00	$188.00	$300

C. Tandem-Switched Transport

	Rate
1. Tandem-Switched Transmission	
Termination, per access minute	$ .000139
Facility, per access minute per mile	$ .000040
2. Tandem Switching	
- Per Access Minute	$ .004530

D. Chargeable Optional Features

	Monthly Rate	Nonrecurring Charge		
		Initial	Subsequent	
Multiplexing				
- DS1 to Voice Grade	$200.95	$185	$500	
- DS3 to DS1	$300.00	$278	$750	(N)

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Director

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges

E6.8.2 Switched Transport (Cont'd) (T)

(D)
+

(D)

E. Installation (T)

1. Nonrecurring Charge

	Rate	USOC	
(a) Per Trunk or Line	$300.00	NA	(T)

F. Network Blocking Charge[1] (T)

1. Nonrecurring Charge

(a) Per Call Blocked	.0080	NA

G. Nonchargeable Optional Features (T)

1. Supervisory Signaling

a. DX Supervisory Signaling arrangement
- Per Transmission Path[2]

b. SF Supervisory Signaling arrangement
- Per Transmission Path[3]

c. E&M Type I Supervisory Signaling arrangement
- Per Transmission Path[3]

d. E&M Type II Supervisory Signaling arrangement
- Per Transmission Path[3]

e. E&M Type III Supervisory Signaling *arrangement*
- PRE Transmission Path[4]

f. Tandem Supervisory Signaling *arrangement*
- Per Transmission Path[5]

Note 1: Applies to FGD.
Note 2: Available with Interface Groups 1 and 2.
Note 3: Available with Interface Groups 2 and 6 through 9.
Note 4: Available with Interface Groups 1 and 2 for FGC and FGD.
Note 5: Available with Interface Group 2 for FGA.

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.2 Switched Transport (Cont'd) (T)

G. Nonchargeable Optional Features (cont'd) (T)

2. Customer specification of the receive transmission level at the first point of switching within a range acceptable to the Company. (T)

   - Per Transmission Path[1]

3. Customer specification of Switched Transport Termination Four-wire termination in lieu of two-wire termination (T)

   - Per Transmission Path[2]

4. Switched digital 56 kbps services Access Capability

   - Per trunk arranged[3]

Note 1: Available with Interface Groups 2 through 9 for FGA and FGB. The range of transmission levels which may be specified is described in Technical Reference PUB TR-NPL-000334. (T)

Note 2: Available with Feature Group B with Type B Transmission Specifications.

Note 3: Available with Interface Groups 6 through 9 for FGD. (T)

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 Local Switching (T)

A. Local Switching Rates and Optional Features

1. Per Access Minute

	Rate	USOC
(a) LS1	$.0098	NA
(b) LS2	.0098	NA

2. Common Switching Optional Features

a. Call denial on line or hunt group, available with FGA
Per Transmission Path or Transmission Path Group

b. Service Code Denial on line or hunt group, available with FGA
Per Transmission Path or Transmission Path Group

c. Hunt Group Arrangement, available with FGA
Per Transmission Path Group

d. Uniform Call Distribution Arrangement, available with FGA
Per Transmission Path Group

e. Nonhunting Numbers for use with Hunt Group Arrangements or Uniform Call Distribution Arrangement available with FGA
Per Transmission Path

f. Automatic Number Identification, available with FGB, FGC and FGD
Per Transmission Path Group

g. Up to 7 Digit Outpulsing of Access Digits to customer, available with FGB (T)
Per Transmission Path Group

h. Cut-Through, available with FGD
Per End Office or Access Tandem

i. Revertive Pulse Address Signaling, available with FGC
Per Transmission Path Group

j. Delay Dial Start-Pulsing Signaling, available with FGC
Per Transmission Path Group

k. Immediate Dial Pulse Address Signaling, available with FGC
Per Transmission Path Group

l. Dial Pulse Address Signaling, available with FGC
Per Transmission Path Group

m. Service Class Routing, available with FGC and FGD
Per Transmission Path Group

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 Local Switching (Cont'd) (T)

A. Local Switching Rates and Optional Features (Cont'd)

2. Common Switching Optional Features (Cont'd)

n. Alternate Traffic Routing,

- Multiple Customer Premises Alternate Routing, available with FGB, FGC, and FGD (T)
Per Transmission Path or Transmission Path Group
- End Office Alternate Routing when ordered in Trunks, available with FGB and FGD
Per Transmission Path or Transmission Path Group

o. Trunk Access Limitation Arrangement, available with FGC and FGD
Per End Office

p. Call Gapping Arrangement, available with FGD
Per End Office

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 Local Switching (Cont'd) (T)

A. Local Switching Rates and Optional Features (Cont'd)

2. Common Switching Optional Features (Cont'd)

q. Band Advance Arrangement for use with WATS Access Lines, available with FGC and FGD
Per Arrangement

r. End Office End User Line Service Screening for use with WATS Access Lines, available with FGC and FGD[1]
Per Transmission Path

s. Hunt Group Arrangement for use with WATS Access Lines, available with FGC and FGD
Per Transmission Path Group

t. Uniform Call Distribution Arrangement use with WATS Access Lines, available with FGC and FGD
Per Transmission Path Group

u. Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with WATS Access Lines, available with FGC and FGD
Per Transmission Path

v. Switched digital 56 kbps services switching capability, available with FGD only
Per Trunk Arranged

w. Enhanced Call Denial, available with FGA only
Per Line Equipped

x. Prohibit 10XXX, available only with WATS Arrangement Option
Per Arrangement Equipped

y. Calling Party Number
Per end office, per trunk group

z. Charge Number
Per end office, per trunk group

aa. Carrier Selection Parameter
Per end office, per trunk group

3. Transport Termination Options

a. Line Side Terminations for FGA

(1) Two Way Operation

- Dial Pulse with Loop Start
- Dial Pulse with Ground Start
- DTMF with Loop Start
- DTMF with Ground Start

Note 1: This feature is required for originating only WATS Access Lines.

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 Local Switching (Cont'd) (T)

A. Local Switching Rates and Optional Features (Cont'd)

3. Transport Termination Options (Cont'd)

a. Line Side Terminations for FGA (Cont'd)

(2) Terminating Operation

- Dial Pulse with Loop Start
- Dial Pulse with Ground Start
- DTMF with Loop Start
- DTMF with Ground Start

(3) Originating Operation

- Loop Start
- Ground Start

b. Trunk Side Terminations for FGB, FGC and FGD

(1) Standard Trunk for Originating, Terminating or Two-Way operation, available with FGB, FGC and FGD

(2) Rotary Dial Station Signaling Trunk, available with FGB

(3) Operator Trunk, Coin, Non-Coin or Combined Coin and Non-Coin, available with FGC; also available with FGC or FGD when used in conjunction with Operator Transfer Service

(4) Operator Trunk, Full Feature Arrangement, available with FGD

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 Local Switching (Cont'd) (T)

B. Line Terminations

1. Common Line and *WATS* Access Line Terminations

	Rates Per Access Minutes	USOC
(a) Per Access Minute	$.0079	NA

2. *WATS* Access Line Termination *Optional Features*

a. Line Side Terminations:

(1) Originating Only Loop Start, Line Side Connection with DTMF Address Signaling
Per *WATS Access Line*

(2) Originating Only Loop Start, Line Side Connection, with Dial Pulse Address Signaling
Per *WATS Access Line*

(3) Originating Only Ground Start, Line Side connection, with DTMF Address Signaling
Per *WATS Access Line*

(4) Originating Only Ground Start, Line Side Connection, with Dial Pulse Address Signaling
Per *WATS Access line*

(5) Terminating Only Loop Start, Line Side Connection
Per *WATS Access Line*

(6) Terminating Only Ground Start, Line Side Connection
Per *WATS Access Line*

b. Trunk Side Terminations:

(1) Terminating Only Trunk Side Connection for forwarding of Dialed Number Identification to End User
Per Transmission Path

C. Reserved for Future Use

D. (Deleted)

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.3 Local Switching (Cont'd) (T)

E. 900 Access Service NXX Activation Charge

1. Per Company End Office Switch or Access Tandem in which translations are required

	Nonrecurring Charge	USOC
(a) First NXX Code submitted on ASR	$43.61	NA
(b) Additional NXX Codes submitted on same ASR	21.51	NA

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.4 WATS Access Line Service (T)

A. Monthly Rate

1. Access Lines

	Monthly Rate	USOC
(a) 2-wire InterLATA OutWATS and 800 Access Service[1,3]	$38.00	X2W
(b) 4-wire InterLATA OutWATS and 800 Access Service[1,2]	38.00	X4W

2. Access Line Extensions

a. Located in the Same Exchange as Main Termination

(1) First extension termination on different premises from main termination

(a) Each	25.00	WSP++

(2) Additional termination in same building as main or other extension termination

(a) Each[3]	-	WSS++

(3) First extension termination in different building, same premises as main or other extension termination

(a) Each	9.25	WSD++

Note 1: The WATS Access Line Monthly Rates will be reduced by the amount of the gross receipts tax for certified vendors of telecommunications services.

Note 2: This service will be available 60 days from receipt of the first request for service.

Note 3: Nonrecurring charge applies.

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.4 WATS Access Line Service (Cont'd) (T)

A. Monthly Rate (Cont'd)

2. Access Line Extensions (Cont'd)

	Monthly Rate	USOC
b. Located in Different Exchange from Main Termination within same LATA		
(1) Interexchange channel mileage charges and channel terminate charges apply as specified for service 2000 channels in this Company's Private Line Service Tariff plus:		
(a) First termination	$25.00	EWW++
(b) Additional termination in same building with first or other extension termination, each[3]	-	WSS++
(c) Additional termination in different building, same premises as first or other extension termination, each	9.25	WSD++
(d) Additional termination on different premises, same exchange as first termination, each	25.00	WSP++

Note 3: Nonrecurring charge applies.

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.4 WATS Access Line Service (Cont'd) (T)

A. Monthly Rate (Cont'd)

3. Four-Wire Terminating Arrangement

	Monthly Rate	USOC
(a) Each arrangement[1]	$10.00	4WA

B. Installation Charges

Service Ordering Charge - The term Service Ordering Charge means the charge that applies for work performed by the Company in connection with the receiving, recording and processing of customer requests for service.

Central Office Work Charge and New Line Connection Charge - Covers work associated with establishing or changing each WATS access line or access line extension connection.

Premises Visit Charge - The term Premises Visit Charge means the charge that applies for a visit to the customer's premises to perform work, other than disconnect work, requested by the customer.

1. For installation of WATS access lines, extensions or four-wire terminating arrangements

a. Access Lines and Extension Lines

(1) Service Ordering - Primary

	Nonrecurring Charge	USOC
(a) Each order	$22.00	NA
(2) Service Ordering - Secondary		
(a) Each Order	14.00	NA
(3) Central Office Work Charge[2]		
(a) Each	21.05	NA
(4) New Line Connection Charge[3]		
(a) Each	34.00	NA

Note 1: This charge is in addition to the access line monthly recurring charges.

Note 2: Central Office Work Charge is applicable for all access lines connected.

Note 3: New Line Connection Charge is applicable for all new access lines or additional access lines over and above the number previously installed at a premises.

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.4 WATS Access Line Service (Cont'd) (T)

B. Installation Charges (Cont'd)

1. (Cont'd)

a. Access Lines and Extension Lines (Cont'd)

(5) Premises Visit

	Nonrecurring Charge	USOC
(a) Each visit	$30.00	NA

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.4 WATS Access Line Service (Cont'd) (T)

B. Installation Charges (Cont'd)

1. (Cont'd)

b. Four-Wire Termination Arrangements

(1) This charge is in addition to the access line nonrecurring charges.

	Nonrecurring Charge	USOC
(a) Each arrangement	$21.15	NA

2. For moving a *WATS* access line or extension line

a. Inside Move

(1) Service Ordering

(a) Each order	14.00	NA

(2) Premises Visit

(a) Each visit	30.00	NA

b. Outside Move, Different Building

Moves to a different building will be treated as a disconnect of the existing access line or extension and installation charges as specified in Section 19.3.D.1 of the General Customer Services Tariff will be applicable.

E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.4 WATS Access Line Service (Cont'd) (T)

B. Installation Charges (Cont'd)

3. Conversion Charges

a. Changing the 800 Service telephone number to a different number at the request of the customer

	Nonrecurring Charge	USOC
(1) Service Ordering		
(a) Each Order	$14.00	NA
(2) Central Office Work Charge[1]	21.05	NA

b. Separating an existing 800 Service into two or more hunting arrangements which contain the same 800 Service access lines as the original hunting arrangement

(1) Service Ordering		
(a) Each order	14.00	NA
(2) Central Office Work Charge[1]		
(a) Each order	21.05	NA

c. Combining two or more 800 Service hunting arrangements into a single hunting arrangement containing the same 800 Service access lines

(1) Service Ordering		
(a) Each order	14.00	NA
(2) Central Office Work Charge[1]		
(a) Each order	21.05	NA

Note 1: Central Office Work Charge is applicable for all access lines connected.

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E6. SWITCHED ACCESS SERVICE

E6.8 Rates and Charges (Cont'd)

E6.8.4 WATS Access Line Service (Cont'd) (T)

4. Conversion to a Four-Wire Termination Arrangement

	Nonrecurring Charge	USOC
a. Each arrangement	$107.19	NA

Note 1: Central Office Work Charge is applicable for all access lines connected.

E6.8.5 800 Data Base Query Charge

An 800 Data Base Query Charge will apply for each 800 call query received at the Telephone Company's 800 data base. Per query charges are accumulated over a billing period and billed to the customer on a monthly basis.

800 Data Base Query Charge	Optional Feature*
Rate per Query	Rate per Query
$.01623	$.00137

* When a combination of one or more 800 Data Base Optional Features is used, only one charge will apply.

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E7. SPECIAL ACCESS SERVICE
CONTENTS

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E7. SPECIAL ACCESS SERVICE

E7.4 Rate Regulations (Cont'd)

E7.4.8 Shared Use of Digital High Capacity Service (N) +

Shared use occurs when Special Access Service and Switched Access Service are provided over the same High Capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Service Termination, Channel Mileage, as appropriate, and Multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Service Termination. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access Service Termination, Channel Mileage, and Multiplexer rates will be reduced accordingly (e.g., 1/24th for a DS1 Service, and 1/672nd for DS3 Service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. As each individual channel is activated for Switched Access Service, the Switched Transport Entrance Facility, Multiplexer, Direct-Trunked Transport and Tandem-Switched Transport rates will be charged accordingly (e.g., 1/24th for a DS1 Service and 1/672nd for DS3 Service). Where Special Access Service is provided utilizing a channel of the shared facility to the Hub, High Capacity rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates and charges will include a Service Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions, associated with the service, if any, will apply as set forth in 7.5 following. (N)