

## ACCESS SERVICE

Regulations, Rates and Charges applying to the provision of Access Service in the state of Alaska for connection to interstate communications facilities for Interstate Customers within the operating territory of the Issuing Carrier listed on Title Page 2.

Access Services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof.

Original Tariff effective July 1, 2009.

---

Issued: November 16, 2017

Senior Manager, Regulatory Affairs and Risk Management  
600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

## ACCESS SERVICE

2	<u>General Regulations (Cont.)</u>		
2.6	Definitions	2-46	
	800 Database Access Service	2-46	
	800 Series	2-46	
	Access Code	2-46	
	Access Minutes	2-47	
	Access Tandem	2-47	
	Actual Cost Special Construction	2-47	
	Annual Utilization Liability Special Construction	2-47	
	Answer/Disconnect Supervision	2-47	
	Attenuation Distortion	2-48	
	Balance (100 Type) Test Line	2-48	
	Bit	2-48	
	Business Day	2-48	
	Business Data Services	2-48	N
	Call	2-48	
	Carrier or Common Carrier	2-48	
	CCS	2-48	
	Central Office	2-48	
	Central Office Maintenance Technician	2-49	
	Central Office Prefix	2-49	
	Channel(s)	2-49	
	Channel Service Unit	2-49	
	Channelize	2-49	
	Clear Channel Capability	2-40	
	C-Message Noise	2-50	
	C-Notched Noise	2-50	
	Commingling	2-50	
	Common Line	2-50	
	Common Channel Signaling	2-50	
	Communications System	2-51	
	Competitive Services	2-51	D
	Customer(s)	2-51	N
	Customer Designated Premises	2-51	
	Data Transmission (107 Type) Test Line	2-51	
	Decibel	2-51	
	Decibel Reference Noise C-Message Weighting	2-52	
	Decibel Reference Noise C-Message Referenced to 0	2-52	
	Destination Point Code	2-52	
	Detail Billing	2-52	
	Digital Switched 56 Service	2-52	
	Direct-Trunked Transport	2-52	D
	Directory Assistance (Interstate)	2-53	
	Directory Assistance Location (Interstate)	2-53	

## ACCESS SERVICE

2 General Regulations (Cont.)2.6 Definitions (Cont.)

Donor Switch	2-53
Dual Tone Multifrequency Address Signaling	2-53
Echo Control	2-53
Echo Path Loss	2-53
Echo Return Loss	2-54
Effective 2-wire	2-54
Effective 4-wire	2-54
End Office	2-54
End User	2-55
Enhanced Service	2-55
Entrance Facility	2-55
Entry Switch	2-55
Envelope Delay Distortion	2-55
Estimated Cost Special Construction	2-56
Exchange	2-56
Exit Message	2-56
Expected Measured Loss	2-56
Extended Area Service	2-56
Facilities Special Construction	2-56
First Point of Switching	2-57
Frequency Shift	2-57
Global Title	2-57
Global Title Translation	2-57
Grandfathered	2-57
Host Central Office	2-58
HUB	2-58
Immediately Available Funds	2-58
Impedance Balance	2-58
Impulse Noise	2-58
Individual Case Basis	2-58
Initial Address Message	2-59
Initial Liability Period Special Construction	2-59
Inserted Connection Loss	2-59
Installation and Repair Technician	2-59
Installed Cost Special Construction	2-59
Interexchange Carrier (IC) or Interexchange Common Carrier	2-59
Intermodulation Distortion	2-60
Interstate Communications	2-60
Intrastate Communications	2-60
Legal Holiday	2-60

D  
D

## ACCESS SERVICE

2	<u>General Regulations</u> (Cont.)		
2.6	<u>Definitions</u> (Cont.)		
	Line Side Connection	2-60	
	Location Routing Number	2-61	D
	Loss Deviation	2-61	
	Major Fraction Thereof	2-61	
	Maximum Termination Liability Special Construction	2-61	
	Maximum Termination Liability Period Special Construction	2-61	
	Message	2-61	
	Milliwatt (102 Type) Test Line	2-62	
	Mobile Telephone Switching Office (MTSO)	2-62	
	N Minus One (N-1)	2-62	
	Net Salvage Special Construction	2-62	
	Network Control Signaling	2-62	
	Non-Competitive Serving Wire Center	2-63	N
	Nonrecoverable Cost Special Construction	2-63	
	Normal Construction	2-63	
	North American Numbering Plan	2-63	
	Off-hook	2-63	
	On-hook	2-63	
	Open Circuit Test Line	2-63	
	Originating Direction	2-63	
	Pay Telephone	2-64	
	Payphone Service Provider	2-64	
	Permanent Facilities Special Construction	2-64	
	Phase Jitter	2-64	
	Point of Termination	2-64	
	Premises	2-64	
	Recipient Switch	2-64	
	Recoverable Costs Special Construction	2-65	
	Regional Service Mgmt System/Number Portability Admin Ctr.	2-65	
	Registered Equipment	2-65	
	Release Message	2-65	
	Remote Switching Modules/Systems	2-65	
	Return Loss	2-65	
	Service Access Code	2-66	
	Service Switching Point (SSP)	2-66	
	Serving Wire Center	2-66	
	Seven Digit Manual Test Line	2-66	
	Shortage of Facilities or Equipment	2-66	
	Short Circuit Test Line	2-67	
	Signal-To-C-Notched Noise Ratio	2-67	
	Signaling Point (SP)	2-67	
	Signaling System 7 (SS7)	2-67	

## ACCESS SERVICE

2 General Regulations (Cont.)2.6 Definitions (Cont.)

Signal Transfer Point (STP)	2-67
Signal Transfer Point (STP) Port	2-67
Signaling Return Loss	2-67
Special Order	2-68
Subtending End Office of an Access Tandem	2-68
 Tandem-Switched Transport	 2-68
Telephone Number	2-68
Terminating Direction	2-68
Termination Charge Special Construction	2-68
Transmission Measuring (105 Type)	2-69
Transmission Path	2-69
Trunk	2-69
Trunk Group	2-69
Trunk Side Connection	2-69
Two-Wire to Four-Wire Conversion	2-69
Unbundled Network Elements	2-70
V and H Coordinates Method	2-70
WATS Serving Office	2-70
Wire Center	2-70

D

3 Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port 3-13.1 Federal Universal Service Charge 3-1

## 3.1.1 Rate Regulations 3-1

3.2 ISDN Line Ports 3-2

## 3.2.1 Rate Application 3-2

3.3 DS1 Line Port 3-3

## 3.3.1 Rate Application 3-3

4 End User Access Service 4-14.1 General Description 4-14.2 Limitations 4-14.3 Undertaking of the Telephone Company 4-1

## ACCESS SERVICE

4 End User Access Service (Cont.)4.4 Obligations of Radio Common Carriers 4-24.5 Payment Arrangements and Credit Allowances 4-2

4.5.1 Minimum Period 4-2

4.5.2 Cancellation of Orders 4-2

4.5.3 Changes to Orders 4-2

4.5.4 Allowance for Interruptions 4-2

4.5.5 Temporary Suspension of Service 4-2

4.6 Rate Regulations 4-3

4.6.1 Who is Billed 4-3

4.6.2 Multiparty Service 4-3

4.6.3 Semi-Public Service 4-3

4.6.4 Business Services 4-3

4.6.5 Radio Common Carriers 4-5

4.6.6 Remote Call Forwarding 4-5

4.6.7 Residence Services 4-5

4.6.8 Integrated Services Digital Network (ISDN) Services 4-6

4.6.9 DS-1 Channel Service 4-6

5 Access Ordering 5-15.1 General 5-1

5.1.1 Service Installation 5-2

5.1.2 Expedited Orders 5-3

5.1.3 Selection of Facilities for Access Orders 5-4

5.2 Ordering Requirements 5-5

5.2.1 Switched Access Service 5-5

5.2.2 Special Access Service 5-10

5.2.3 WATS or WATS-Type Service 5-11

5.2.4 Mixed Use Facilities – Switched and Special Access 5-11

5.2.5 Miscellaneous Services 5-12

D

5.3 Access Orders for Services Provided by More Than One Telephone Company 5-13

5.3.1 Meet Point Billing Ordering 5-13

## ACCESS SERVICE

7 Special Access Service

7.1	<u>General</u>	7-1
7.1.1	Channel Types	7-1
7.1.2	Service Descriptions	7-3
7.1.3	Service Configurations	7-7
7.1.4	Alternate Use	7-11
7.1.5	Special Facilities Routing	7-11
7.1.6	Design Layout Report	7-11
7.1.7	Acceptance Testing	7-12
7.1.8	Ordering Options and Conditions	7-12
7.2	<u>Rate Regulations</u>	7-35
7.2.1	Rate Categories	7-13
7.2.2	Types of Rates and Charges	7-18
7.2.3	Moves	7-22
7.2.4	Minimum Periods	7-23
7.2.6	Facility Hubs	7-25
7.2.7	Mixed Use Analog and Digital High Capacity Services	7-27
7.3	<u>Surcharge for Special Access Service</u>	7-29
7.3.1	General	7-29
7.3.2	Application	7-29
7.3.3	Exemption of Special Access Service	7-30
7.3.4	Rate Regulations	7-31
7.4	<u>Voice Grade Service</u>	7-32
7.4.1	Basic Channel Description	7-32
7.4.2	Technical Specifications Packages and Network Channel Interfaces	7-33
7.4.3	Optional Features and Functions	7-33

D

## ACCESS SERVICE

7 Special Access Service (Cont.)

7.5	<u>Program Audio Service</u>	7-36
7.5.1	Basic Channel Description	7-36
7.5.2	Technical Specifications Packages and Network Channel Interfaces	7-37
7.6	<u>Video Service</u>	7-37
7.6.1	Basic Channel Description	7-37
7.7	<u>Digital Data Service</u>	7-40
7.7.1	Basic Channel Description	7-40
7.7.2	Technical Specifications Packages and Network Channel Interfaces	7-41
7.7.3	Optional Features and Functions	7-41
7.7.4	Central Office Bridging Capability	7-41
7.8	<u>High Capacity Service</u>	7-42
7.8.1	Basic Channel Description	7-42
7.8.2	Technical Specifications Packages and Network Channel Interfaces	7-43
7.8.3	Optional Features and Functions	7-43
7.9	<u>Reserved for Future Use</u>	7-47

D  
|  
D



ACCESS SERVICE

7     Special Access Service (Cont.)

D  
D

7.12     Individual Case Filings

7-58

8     Reserved for Future Use

8-1

## ACCESS SERVICE

14	<u>Access Service Interfaces and Transmission Specifications</u>	14-1
14.1	<u>Switch Access Service</u>	14-1
14.1.1	Local Transport Interface Groups	14-1
14.1.2	Standard Transmission Specifications	14-12
14.1.3	Data Transmission Parameters	14-21
14.2	<u>Special Access Service</u>	14-24
14.2.1	Network Channel (NC) Codes	14-27
14.2.2	Network Channel Interface (NCI) Codes	14-36
14.3	<u>Directory Access Service</u>	14-52
14.3.1	Interface Group and Premise Interface Groups	14-52
14.3.2	Standard Transmission Specifications	14-53
15	<u>Special Construction</u>	15-1
15.1	<u>Regulations</u>	15-1
15.1.1	Filing of Charges	15-1
15.1.2	Ownership of Facilities	15-1
15.1.3	Interval to Provide Facilities	15-1
15.1.4	Special Construction Involving Both Interstate And Intrastate Facilities	15-1
15.1.5	Payments for Special Construction	15-2
15.1.6	Liabilities and Charges for Special Construction	15-3
15.1.7	Development of Liabilities and Charges	15-3
15.1.8	Types of Liabilities and Charges	15-4
15.1.9	Deferral of Start of Service	15-11
15.1.10	Construction Complete	15-12
15.1.11	Definitions	15-12

D  
D

## ACCESS SERVICE

17	<u>Rates and Charges</u>	17-1
17.1	<u>End User Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port</u>	17-1
17.1.1	End User Access Service	17-1
17.1.2	Federal Universal Service Charge	17-2
17.1.3	ISDN Line Ports	17-2
17.1.4	DS1 Line Port	17-2
17.2	<u>Switched Access Service</u>	17-3
17.2.1	Nonrecurring Charges	17-3
17.2.2	Local Transport	17-5
17.2.3	End Office	17-13
17.2.4	Directory Assistance Service	17-15
17.3	<u>Special Access Service</u>	17-17
17.3.1	Surcharge for Special Access Service	17-17
17.3.2	Voice Grade Service	17-17
17.3.3	Program Audio Service	17-21
17.3.4	Video Service	17-25
17.3.5	Digital Data Service	17-26
17.3.6	High Capacity Service	17-32
17.4	<u>Other Services</u>	17-50
17.4.1	Access Ordering	17-50
17.4.2	Additional Engineering	17-52
17.4.3	Additional Labor	17-52
17.4.4	Miscellaneous Service	17-57
17.4.5	Special Federal Government Access Services	17-66
17.4.6	Specialized Service or Arrangements	17-67

D  
I  
D

D

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.5 Special Construction 17-6917.6 Reserved for Future Use 17-69 (T)  
(D)

18 Reserved for Future Use 18-1 (D)

## ACCESS SERVICE

Explanation of Symbols

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

Explanation of Abbreviations

AC	Alternating Current	
AML	Actual Measured Loss	D
ANI	Automatic Number Identification	
AP	Program Audio	
AT&T	American Telephone and Telegraph Company	
CCS	Common Channel Signaling	
CDP	Customer Designated Premises	D
CI	Channel Interface	
CNP	Charge Number Parameter	
CO	Central Office	
Cont.	Continued	
CPE	Customer Provided Equipment	
CPN	Calling Party Number	
CSP	Carrier Selection Parameter	
DA	Directory Assistance	
dB	Decibel	
dBrnC	Decibel Reference Noise C-Message Weighting	
dBrnCO	Decibel Reference Noise C-Message Weighted 0	
dc	Direct Current	
DDD	Direct Distance Dialing	D

## ACCESS SERVICE

Explanation of Abbreviations (Cont.)

EAS	Extended Area Service
EDD	Envelope Delay Distortion
EML	Expected Measured Loss
EPL	Echo Path Loss
ERL	Echo Return Loss
ESS	Electronic Switching System
ESSX	Electronic Switching System Exchange Frequency

D

f	Frequency
F.C.C.	Federal Communications Commission
HC	High Capacity
Hz	Hertz
ICB	Individual Case Basis
ICL	Inserted Connection Loss
IXC	Interexchange Carrier
kbps	kilobits per second
kHz	kilohertz
LATA	Local Access and Transport Area
LRN	Location Routing Number
LNP	Local Number Portability
LSP	Local Service Provider
ma	milliamperes
Mbps	Megabits per second
mcs	Microsecond
MHz	MegaHertz
MRC	Monthly Recurring Charge
MT	Metallic
MTS	Message Telecommunications Service(s)
MTSO	Mobile Telephone Switching Office
NPA	Numbering Plan Area
NRC	Nonrecurring Charge
NXX	Three-Digit Central Office Prefix
PBX	Private Branch Exchange
PIU	Percent of Interstate Usage
PIC	Presubscribed Interexchange Carrier
POT	Point of Termination

## ACCESS SERVICE

1 Application of Tariff

- 1.1 This tariff contains regulations, rates, and charges applicable to the provision of End User Access, Switched Access, Special Access End User Channel Terminations (EUCT) in non-competitive areas, Lifeline Assistance, Universal Service Fund, and other miscellaneous services, hereinafter referred to as service(s). These services are provided to customer by the Issuing Carriers of this tariff, hereinafter referred to as the Telephone Company, or Company. This tariff also contains Access Ordering regulations and charges that are applicable when these services are ordered or modified by the customer.

N  
N

The Special Access Service regulations, rates and charges located in this tariff are for Special Access EUCT in non-competitive areas. In some instances, Special Access Services will be referred to in general terms to assist in understanding the services that encompass an entire circuit.

N

Special Access Service that remains subject to Section 203 Of the Communications Act must be filed in this tariff. Special Access Service not subject to Section 203 is provided outside this tariff. Documents, agreements or contracts that provide service outside this tariff may be accessed at the Company's website or the Company's other designated location. Rates and regulations for Special Access Service provided outside this tariff cannot supersede, negate or revise the rates and regulations contained within this tariff, and deemed lawful status does not convey to such non-tariffed services.

N

- 1.2 The provision of such services by the Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.
- 1.3 In accordance with the Commission's Report and Order and Order on Remand and further Notice of Proposed Rulemaking, CC Docket No. 01-338, paragraph 581, released August 21, 2003, Unbundled Network Elements (UNEs) and combinations of UNEs can be commingled with wholesale services, included interstate access services.

T

## ACCESS SERVICE

2 General Regulations

For Special Access General Regulations only, Non-Competitive End User Channel Terminations (EUCTs) are filed as part of this tariff. General Regulations for other Special Access Services to complete the circuit are outside of this tariff and can be accessed at the Company's website or Company's other designated location.

N  
|  
N2.1 Undertaking of the Telephone Company2.1.1 Scope

- (A) The Telephone Company does not undertake to transmit messages under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services it provides.
- (C) The Telephone Company will, for maintenance purposes, test its service only to the extent necessary to detect and/or clear troubles.
- (D) Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this tariff.
- (E) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.



## ACCESS SERVICE

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

- (C) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act of omission of the customer in the course of using services provided under this tariff.

2.3.10 Coordination with Respect to Network Contingencies

The customer shall, in cooperation with the Telephone Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

2.3.11 Jurisdictional Report and Certification Requirements

(A) Certification Requirements – Special Access and Digital Subscriber Line Access Services

When the customer orders Special Access, and the customer certifies to the Company in writing that more than ten percent of the traffic is interstate, the service is considered to be interstate and is provided under this tariff.

D  
D

(B) Disputes Involving Jurisdictional Certification – Special Access

If a dispute arises concerning the certification of projected interstate traffic as described in (A) above, the Telephone Company will ask the customer to provide the data the customer used to determine the percentage of interstate traffic. The customer shall supply the data within thirty (30) days of the Telephone Company's request.

D  
D  
D

## ACCESS SERVICE

2 General Regulations (Cont.)2.4 Payment Arrangements and Credit Allowances (Cont.)2.4.1 Payment of Rates, Charges and Deposits (Cont.)(B) Bill Dates (Cont.)(1) End User Access Service, Federal Universal Service, and PresubscriptionD  
D

For End User Access Service, Federal Universal Service, and Presubscription Service, the Telephone Company will establish a bill day each month for each end user account or advise the customer in writing of an alternate billing schedule. Alternate billing schedules shall not be established on less than 60 days notice or initiated by the Telephone Company more than twice in any consecutive 12-month period. The bill will cover End User Access Service and Federal Universal Service charges for the ensuing billing period except for End User Access Service, and Federal Universal Service for the Federal Government which will be billed in arrears. Any applicable Presubscription Charges, any known unbilled charges for prior periods and any known unbilled adjustments for prior periods for End User Access Service, Federal Universal Service, and Presubscription Service will be applied to this bill. Such bills are due when rendered.

D  
DD  
D  
DD  
D

## ACCESS SERVICE

2 General Regulations (Cont.)2.4 Payment Arrangements and Credit Allowances (Cont.)2.4.1 Payment of Rates, Charges and Deposits (Cont.)(B) Bill Dates (Cont.)(2) Access Service Other Than End User, Federal  
Universal Service and PresubscriptionD  
D

For Service other than End User Access Service, Federal Universal Service, and Presubscription Service, the Telephone Company will establish a bill day each month for each customer account or advise the customer in writing of an alternate billing schedule. Alternate billing schedules shall not be established on less than 60 days notice or initiated by the Telephone Company more than twice in any consecutive 12-month period.

D  
D

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

## ACCESS SERVICE

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

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

D  
D  
D

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

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

## ACCESS SERVICE

2 General Regulations (Cont.)2.4 Payment Arrangements and Credit Allowances (Cont.)2.4.1 Payment of Rates, Charges and Deposits (Cont.)(F) Proration of Charges

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

(G) Rounding of Charges

When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

2.4.2 Minimum Periods

The minimum period for which services are provided and for which rates and charges are applicable is one month except for those usage rate services set forth in Section 6 (Switched Access Service) and 9 (Directory Assistance Service) and those services set forth in 6.1.3 (Switched Access High Capacity DS3 Entrance Facility and High Capacity DS3 Direct Trunked Transport), 7.2.4 (Part-time Video and Program Audio), 7.2.7 (High Capacity DS1 and DS3 Service), or as otherwise specified.

D

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 12. following, is one month unless a different minimum period is established with the individual case filing.

## ACCESS SERVICE

2 General Regulations (Cont.)2.4 Payment Arrangements and Credit Allowances (Cont.)2.4.4 Credit Allowance for Service Interruptions (Cont.)(B) When a Credit Allowance Applies

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

For Digital Data Access, D1 through D4 and High Capacity, HC1, Special Access non-competitive End User Channel Termination, any period during which the error performance is below that specified for the service will be considered as an interruption.

T  
T

Service interruptions for Specialized Service or Arrangements provided under Section 12 following shall be administered in the same manner as those set forth in this section (2.4.4) unless other regulations are specified with the individual case filing.

Credit allowances are computed as follows:

(1) Special Access Service Other Than Program Audio Video, and flat-rated Switched Access Service, Rate ElementsD  
D

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.

## ACCESS SERVICE

2 General Regulations (Cont.)2.4 Payment Arrangements and Credit Allowances (Cont.)2.4.4 Credit Allowance for Service Interruptions (Cont.)(B) When a Credit Allowance Applies (Cont.)(1) Special Access Service Other Than Program Audio Video, and flat-rated Switched Access Service Rate Elements (Cont.)D  
D

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

(a) Two-point Services

For two-point services, the monthly charge shall be the total of all the monthly rate elements charges associate with the service (i.e., two Special Access non-competitive End User Channel Termination (EUCT), optional features and functions, and other Special Access Services.

T  
D  
T  
T(b) Multipoint Services

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 Special Access non-competitive EUCT per customer designated premises, optional features and functions and other Special Access Services).

T  
D  
T  
T

ACCESS SERVICE

2 General Regulations (Cont.)

2.4 Payment Arrangements and Credit Allowances (Cont.)

D

D



## ACCESS SERVICE

2 General Regulations (Cont.)2.4 Payment Arrangements and Credit Allowances (Cont.)2.4.4 Credit Allowance for Service Interruptions (Cont.)(B) When a Credit Allowance Applies (Cont.)(1) Special Access Service Other Than Program Audio  
Video, and flat-rated Switched Access Service Rate  
Elements (Cont.)D  
D(d) Flat-rated Switched Access Service Rate  
ElementsD  
D

For flat-rated Switched Access Service rate elements, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., Entrance Facility, Direct Trunked Transport and Multiplexing).

D  
|  
D

## ACCESS SERVICE

2 General Regulations (Cont.)2.4 Payment Arrangements and Credit Allowances (Cont.)2.4.4 Credit Allowance for Service Interruptions (Cont.)(B) When a Credit Allowance Applies (Cont.)(2) Program Audio and Video Special Access Non-Competitive End User Channel Termination(s) (EUCT)T  
T

For Program Audio and Video Special Access Non-Competitive EUCT 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  
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 fraction thereof that the interruption continues.

(b) For two-point services when daily rates are applicable, the credit shall be at the rate of 1/288 of the daily charges for the service for each period of 5 minutes or fraction thereof that the interruption continues.

(c) For multipoint services when monthly rates are applicable, the credit shall be at the rate of 1/8640 of the monthly charges for each non-competitive EUCT and other special access services and optional features and functions that are inoperative for each period of 5 minutes or fraction thereof that the interruption continues.

T  
T

(d) For multipoint services when daily rates are applicable, the credit shall be at the daily rate of 1/288 of the daily charges for non-competitive EUCT and other special access services and optional features and functions that are inoperative for each period of 5 minutes or fraction thereof that the interruption continues.

T  
T

## ACCESS SERVICE

2 General Regulations (Cont.)2.4 Payment Arrangements and Credit Allowances (Cont.)2.4.4 Credit Allowance for Service Interruptions (Cont.)(B) When a Credit Allowance Applies (Cont.)(2) Program Audio and Video Special Access Non-Competitive Services (Cont.)T  
T

(e) For multipoint services, the credit for the monthly or daily charges includes the charges for the distribution amplifier only when the distribution amplifier is inoperative.

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

(3) Switched Access Service and Directory Assistance Service Usage Rated Elements

T

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

(4) Credit Allowances Cannot Exceed Monthly Rate

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

## ACCESS SERVICE

2. General Regulations

## 2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

## (A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)

## (e) For Feature Groups A, B, C, and D:

When the end office (which may be a Remote Switching Module or WATS Serving Office) is located within the operating territory of The Telephone Company, multiply the Interconnection Charge rate times the number of originating and terminating access minutes that are switched at the end office.

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

The Billing Percentage (BP) is not applicable to the Residual Interconnection charge, Entrance Facility or Multiplexer.

D  
D

## ACCESS SERVICE

2. General Regulations

## 2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

## (A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)

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

(h) Example 1 – Originating Switched Access Service

T

(See Diagram 1)

Feature Group D Switched Access Service ordered to End Office A.

T

Originating End Office and Access Tandem are in the operating territory of a Telephone Company (TC-A)

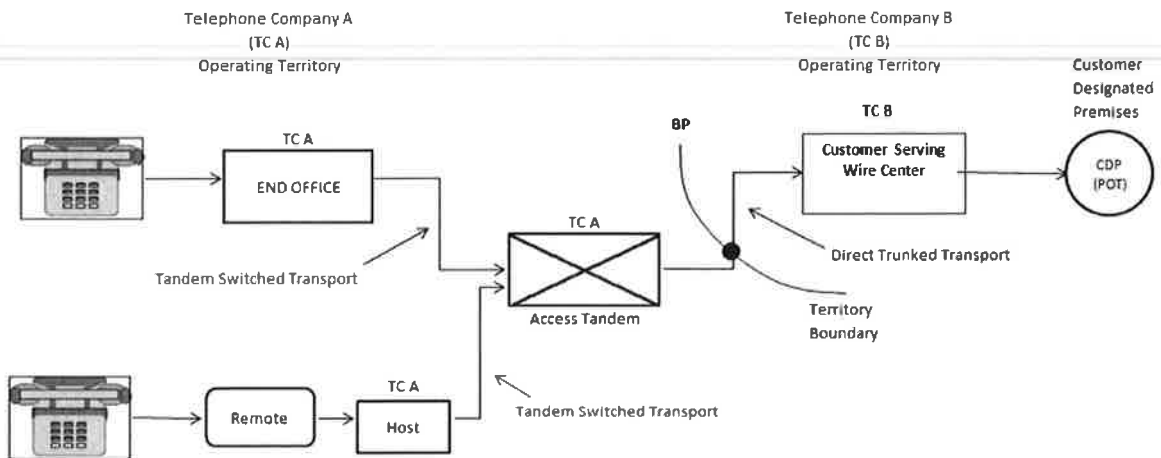
Customer designated premises is in the operating territory of a Telephone Company (TC-B)

## Assumptions:

- TC-A Direct Trunk Transport BP = 40%
- TC-B Direct Trunk Transport BP = 60%
- Direct Trunked Transport mileage = 26 mi
- Tandem Switched Transport mileage = 23 mi

## ACCESS SERVICE

Diagram 1

2. General Regulations2.4 Payment Arrangements and Credit Allowances2.4.7 Access Services Provided By More Than One Telephone Company(A) Meet Point Billing(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)(h) Example 1 – Originating Switched Access Service (Cont'd)

T

(See Diagram 1)

Telephone Company A charges are:

End Office charges = 9,000 min. x EO rate

Tandem Switched Facility charge  
= 9,000 min. x 23 mi. x TSF rateTandem Switched Termination charge  
= 2 terminations x 9,000 min. x TST rateTandem Switching charge  
= 9,000 min x TS rate

Direct Trunked Facility charge

## ACCESS SERVICE

2. General Regulations

## 2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

## (A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)(h) Example 1 – Originating Switched Access Service (Cont'd) T

= 26 miles x DTF rate x 40%

Direct Trunked Termination charge = 1  
termination x DTT rate

Tandem Switched Multiplexing charge = 9,000  
min x TSM rate

(i) Example 2: Terminating Switched Access Service Tandem 3rd Party T

(See Diagrams 2A and 2B)

Feature Group D Switched Access Service is  
ordered to End Office. T

Terminating Access Tandem is owned by The  
Telephone Company (TC-A) and End Office is  
not owned The Telephone Company (TC-B).

## Assumptions:

- TC-A Direct Trunk Transport BP = 40% (where applicable Diagram 2A)
- TC-B Direct Trunk Transport BP = 60% (where applicable Diagram 2A)
- Direct Trunk Transport mileage = 26 mi.
- TC-A Tandem Switched Transport BP = 20%
- TC-B Tandem Switched Transport BP = 80%
- Tandem Switched Transport mileage = 23 mi.

## ACCESS SERVICE

2. General Regulations

## 2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

## (A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)(i) Example 2: Terminating Switched Access Service Tandem 3rd Party (Cont'd)

T

Diagram 2A

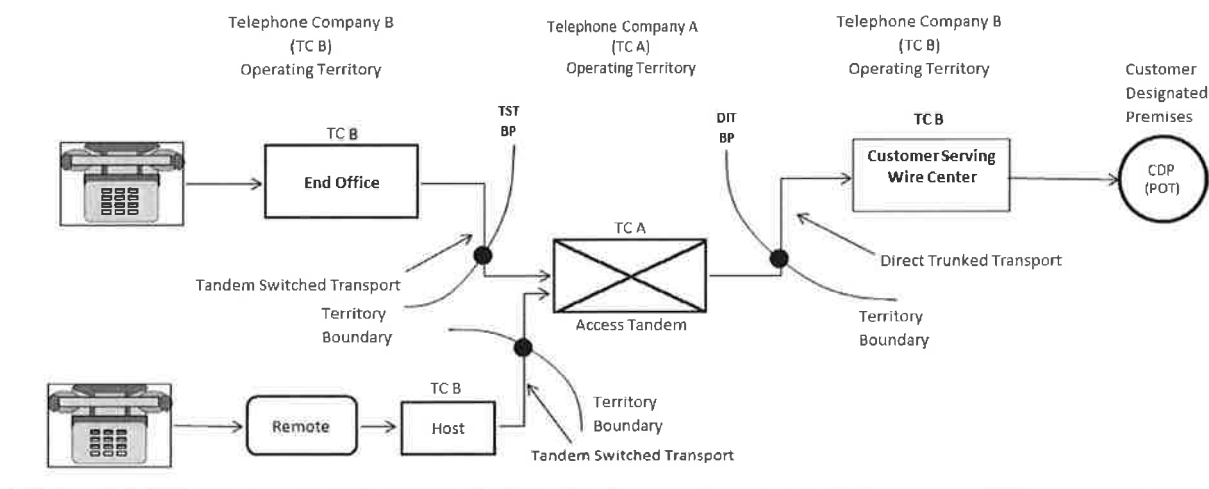
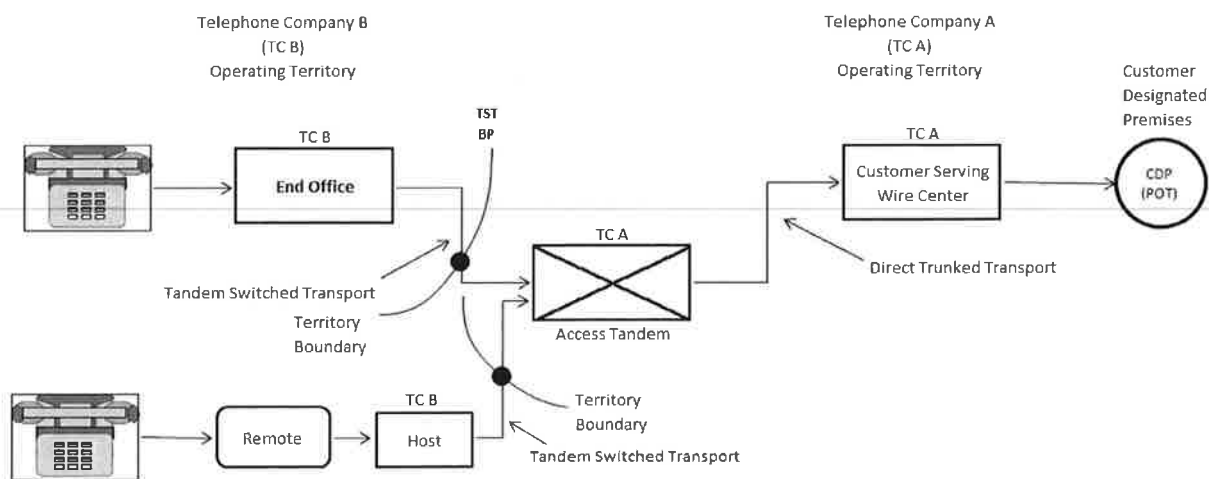


Diagram 2B





## ACCESS SERVICE

2. General Regulations

## 2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

## (A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)(i) Example 2: Terminating Switched Access Service Tandem 3rd Party (Cont'd)

T

(See Diagrams 2A and 2B)

Company A charges are:

T

Tandem Switched Facility charge = 9,000 min. x  
23 mi. x TSF 3rd Party rate x 20%Tandem Switched Termination charge = 1  
termination x 9,000 min. x TST 3rd Party rateTandem Switching charge = 9,000 min. x TS 3<sup>rd</sup>  
Party rateDirect Trunked Facility charge  
2A = 26 miles x DTF rate x 40%  
2B = 26 miles x DTF rate x 60%Direct Trunked Termination charge  
2A = 1 termination x DTT rate  
2B = 2 termination x DTT rateTandem Switched Multiplexing charge = 9,000  
min x TSM 3rd Party rate(j) Example 3: Terminating Switched Access Service Tandem End Office

T

(See Diagram 3)

Feature Group D Switched Access is ordered to  
End Office.

## ACCESS SERVICE

2. General Regulations

## 2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

## (A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)(j) Example 3: Terminating Switched Access Service Tandem End Office (Cont'd)

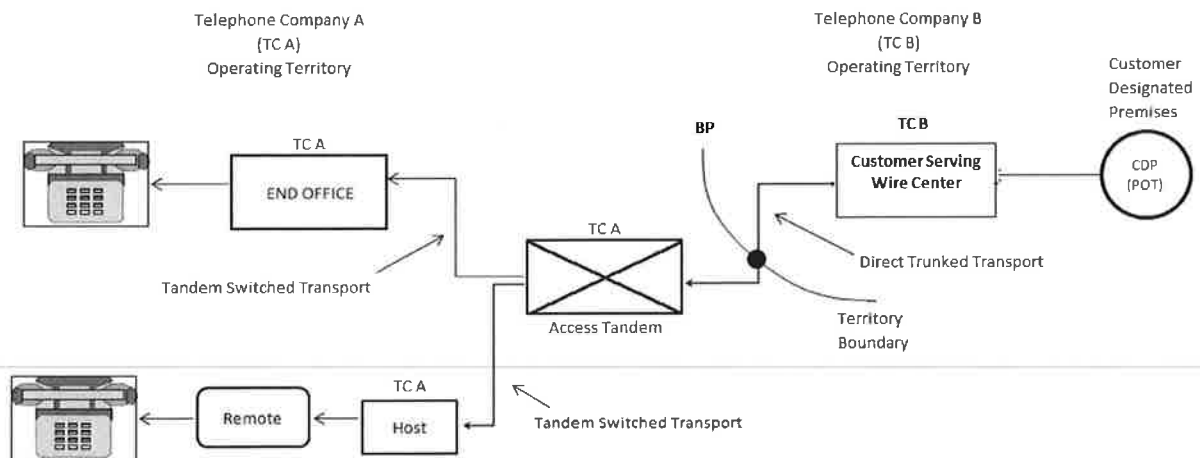
T

Terminating End Office and Access Tandem are both owned by The Telephone Company (TC-A)

## Assumptions:

- TC-A Direct Trunk Transport BP = 40%
- TC-B Direct Trunk Transport BP = 60%
- Direct Trunk Transport mileage = 26 mi.
- Tandem Switched Transport mileage = 23 mi.

Diagram 3



## ACCESS SERVICE

2. General Regulations

## 2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

## (A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)(j) Example 3: Terminating Switched Access Service Tandem End Office (Cont'd) T

(See Diagram 3)

Telephone Company A charges are:

End Office Charges = 9,000 min. x EO rate

Tandem Switched Facility charge = 9,000 min. x  
23 mi. x TSF End Office rateTandem Switched Termination charge = 2  
terminations x 9,000 min. x TST End Office  
rateTandem Switching charge = 9,000 min. x TS End  
Office rateDirect Trunked Facility Charge = 26 miles x DTF  
rate x 40%Direct Trunked Termination charge = 1  
termination x DTT rateTandem Switched Multiplexing charge = 9,000  
min x TSM End Office rate

## ACCESS SERVICE

2. General Regulations

## 2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

## (A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)(k) Example 4: Originating Switched Access Service – The Telephone Company owns only the End Office

(See Diagram 4)

Feature Group D Switched Access Service is ordered to End Office

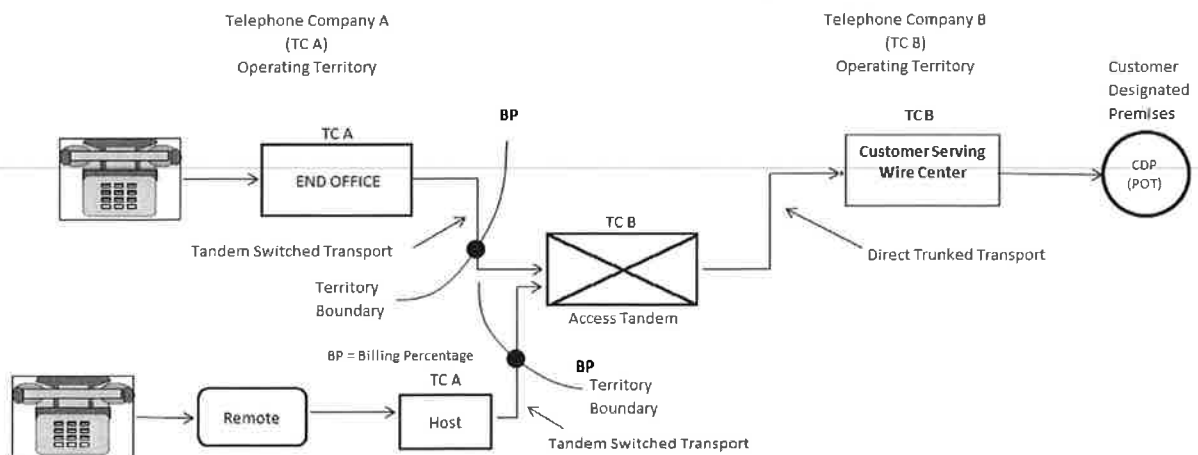
End Office is owned by The Telephone Company (TC-A)

Access Tandem is not owned by The Telephone Company (TC-B)

## Assumptions:

- Direct Trunk Transport mileage = 26 mi.
- TC-A Tandem Switched Transport BP = 80%
- TC-B Tandem Switched Transport BP = 20%
- Tandem Switched Transport mileage = 23 mi.

Diagram 4



ACCESS SERVICE

2. General Regulations

2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

(A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)

(k) Example 4: Originating Switched Access Service – The Telephone Company owns only the End Office (Cont'd) (See Diagram 4)

T

Telephone Company A charges are:

End Office charges = 9,000 min. x EO rate

Tandem Switched Facility charge = 9,000 min. x 23 mi. x TSF rate x 80%

Tandem Switched Termination charge = 1 termination x 9,000 min. x TST rate

## ACCESS SERVICE

2. General Regulations

## 2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

## (A) Meet Point Billing

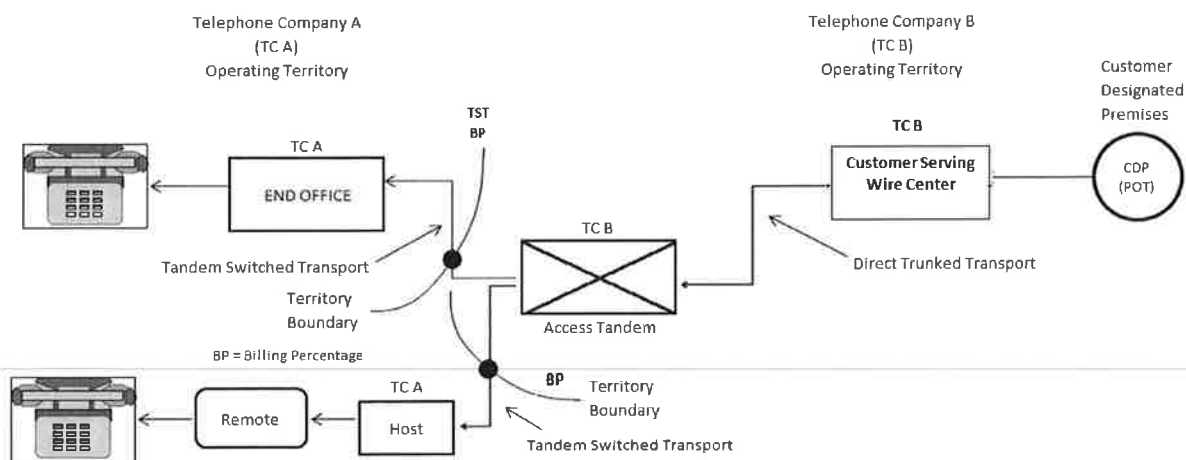
(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)(I) Example 5: Terminating Switched Access Service – Tandem 3<sup>rd</sup> Party (See Diagram 5)

Feature Group D Switched Access Service is ordered to End Office

End Office is owned by The Telephone Company (TC-A)

Access Tandem is not owned by The Telephone Company (TC-B)

Diagram 5



ACCESS SERVICE

2. General Regulations

2.4 Payment Arrangements and Credit Allowances

2.4.7 Access Services Provided By More Than One Telephone Company

(A) Meet Point Billing

(1) Determination of Meet Point Billed Local Transport and Channel Mileage Charges (Cont'd)

(I) Example 5: Terminating Switched Access Service – Tandem 3<sup>rd</sup> Party (Cont'd) (See Diagram 5)

T

Telephone Company A charges are:

End Office charges = 9,000 min. x EO rate

Tandem Switched Facility charge = 9,000 min. x  
23 mi. x TSF 3rd Party rate x 80%

Tandem Switched Termination charge = 1  
termination x 9,000 min. x TST 3rd Party rate

## ACCESS SERVICE

2 General Regulations (Cont.)2.4 Payment Arrangements and Credit Allowances (Cont.)2.4.7 Access Services Provided By More Than One Telephone Company (Cont.)(A) Meet Point Billing (Cont.)(2) Determination of Meet Point Billed Channel Mileage Charges

Each Telephone Company's portion of the Channel mileage will be determined as follows:

- (a) Determine the appropriate Channel Mileage by computing the number of airline miles between the Telephone Company premises serving wire centers for Special Access using the V&H method.
- (b) Determine the billing percentage (BP), as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, which represents the portion of the service provided by each Telephone Company.

D  
D



## ACCESS SERVICE

2 General Regulations (Cont.)2.5 Connections

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched Access Service, Special Access non-competitive end user channel terminations furnished by the Company where such connection is made in accordance with the provisions specified in Technical Reference Publication AS No. 1 and in 2.1 preceding.

T  
T2.6 Definitions

Certain terms used herein are defined as follows:

800 Data Base Access Service

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

800 Series

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

Access Code

The term "Access Code", denotes a uniform five or seven digit access code assigned by the Company to an individual customer. The five-digit access code has the form 10XXX, and the seven digit code has the form 950-1XXX or 950-0XXX.

T

## ACCESS SERVICE

2 General Regulations (Cont.)2.6 Definitions (Cont.)Attenuation Distortion

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

Balance (100 Type) Test Line

The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

Bit

The term "Bit" denotes the smallest unit of information in the binary system of notation.

Business Data Services (BDS)

The dedicated point to point transmission of data at certain guaranteed speeds and service levels using high speed connections.

Business Day

The term "Business Day" denotes the times of day that a company is open for business. ACS Companies' Business Day hours are 8:30 a.m. to 5:30 p.m., Monday through Friday.

Call

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

Carrier or Common Carrier

See Interexchange Carrier.

CCS

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

Central Office

See End Office.

N  
|  
N

## ACCESS SERVICE

2 General Regulations (Cont.)2.6 Definitions (Cont.)Communications System

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

Competitive Services

All packet-bases business data services; circuit-based Business Data Services above the DS3 bandwidth level; transport services which includes interoffice facilities, channel terminations between the serving wire center and point of presence, and all sub-elements established for the use of these transport facilities; DS1 & DS3 End User Channel Terminations, and other Special Access Services, in any competitive serving wire center; DS1 & SD3 End User Channel Terminations, and other Special Access Services.

Customer(s)

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

Customer Designated Premises

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

Data Transmission (107 Type) Test Line

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

Decibel

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

D  
|  
D  
|  
N  
|  
N

## ACCESS SERVICE

2 General Regulations (Cont.)2.6 Definitions (Cont.)Decibel Reference Noise C-Message Weighting

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

Decibel Reference Noise C-Message Referenced to 0

The term "Decibel Reference Noise C-Message Referenced to 0" denotes noise power in "Decibel Reference Noise C-Message Weighting" referred to or measured at a zero transmission level point.

Destination Point Code

The term "Destination Point Code" denotes a routing label that identifies where the CCS/SS7 signaling message should be sent.

Detail Billing

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

D  
|  
DDigital Switched 56k Service

The term "Digital Switched 56k Service" denotes a switched access optional feature available with Feature Group C or D Access, which provides for data transmission at up to 56 Kilobits or more per second.

Direct-Trunked Transport

The term "Direct-Trunked Transport" denotes transport from the serving wire center to the end office or from the serving wire center to the access tandem on circuits dedicated to the use of a single customer.

## ACCESS SERVICE

2 General Regulations (Cont.)2.6 Definitions (Cont.)Estimated Cost Special Construction

The term "Estimated Cost" denotes all estimated costs that will be incurred in providing a specific case of special construction, including any appropriate taxes.

D  
|  
DExchange

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

Exit Message

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

Expected Measured Loss

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

Extended Area Service

See Exchange

## ACCESS SERVICE

2 General Regulations (Cont.)  
2.6 Definitions (Cont.)Non-Competitive Serving Wire Center

A Company Serving Wire Center that has not met the Competitive Market Test as established by the FCC's BDS Order (17-43) on April 28, 2017 at § 69.803.

Nonrecoverable Cost Special Construction

The term "Nonrecoverable Cost" denotes the cost of specially constructed facilities for which the Telephone Company has no foreseeable use should the service be terminated.

Normal Construction

The term "Normal Construction" denotes all facilities the Telephone Company would normally use to provide service in the absence of a requirement for special construction.

North American Numbering Plan

The term "North American Numbering Plan" denotes a three-digit area code (Numbering Plan Area - NPA) and a seven-digit telephone number made up of a three-digit Central Office prefix plus a four-digit station number.

Off-hook

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

On-hook

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

Open Circuit Test Line

The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac open circuit termination of a trunk or line by means of an inductor of several Henries.

Originating Direction

The term "Originating Direction" denotes the use of access service for the origination of calls from an End User Premises to an IC Premises.

N  
|  
N

## ACCESS SERVICE

5 Access Ordering5.1 General

For Special Access ordering only, Non-Competitive End-User Channel Terminations (EUCTs) are filed as part of this tariff. Ordering for other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or the Company's other designated locations.

N  
|  
N

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

An Access Order is an order to provide the customer with Switched Access Service, or, Non-Competitive End-User Channel Terminations Special Access or Access Related Service or to provide changes to existing services.

N  
N

The regulations, rates and charges for special construction are set forth in Section 15 and are in addition to the regulations, rates and charges specified in this section.

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

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

T

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

## ACCESS SERVICE

5 Access Ordering (Cont.)5.1 General (Cont.)5.1.1 Service Installation

The Company will provide the Access Service in accordance with the customer's requested service date, subject to the constraints established by the Company schedule of applicable service dates.

T

T

The Company shall make available to all customers, upon request, a schedule of applicable service intervals for Switched Access Service and Special Access Services. The schedule shall specify the applicable service interval for services and the quantities of services that can be provided by a requested service date. Any associated material will be provided upon request and within a reasonable period of time.

T

N

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

T

Access Services will be installed during Company business days. If a customer requests that installation be done outside of scheduled work hours, and the Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in 17.4.3 following.

T

T



## ACCESS SERVICE

5 Access Ordering (Cont.)5.1 General (Cont.)5.1.3 Selection of Facilities for Access Orders

The option to request a specific transmission path or channel is only provided for High Capacity Facilities Special Access Non-Competitive End-User Channel Terminations, or as provided for under Special Facilities Routing as set forth in Section 11 following.

N  
N

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

N  
N  
T5.2 Ordering Requirements5.2.1 Switched Access Service

When ordering Switched Access service, the customer must specify whether the service is to be directly routed to an end office switch or through an access tandem. When service is ordered directly to an end office the customer must specify the type and quantity of Direct Trunked Transport facility (e.g., Voice Grade or High Capacity DS1 or DS3).

Except as provided for in Section 6.1.3(A)(1) following, the customer must also specify the type of Entrance Facility to be used for Switched Access (e.g., Voice Grade or High Capacity). For High Capacity Entrance Facilities, the customer must specify the facility assignment and the channel assignment for each trunk.

Direct Trunked Transport is available to all ACS Company end offices.

When the customer has both Tandem Switched Transport and Direct Trunked Transport at the same end office, the customer will be provided Alternate Traffic Routing as set forth in 6.4.6 following.

## ACCESS SERVICE

5 Access Ordering (Cont.)5.2 Ordering Requirements (Cont.)5.2.2 Special Access Service

When placing an order for Special Access non-competitive End User Channel Termination (EUCT) the customer must specify:

T  
T

- the customer designated premises or hubs involved
- type of service (e.g., Voice Grade, High Capacity, etc.)
- the channel interface(s)
- technical specification package
- options desired
- for multipoint services, the channel interface at each customer designated premises may, at the request of the customer, be different but all such interfaces shall be compatible.
- that the traffic consists of more than ten percent interstate traffic.

All part-time Video and Program Audio services are subject to a service inquiry. A service inquiry is a request to the Company to determine if facilities exist to provide the service ordered and to determine the service date on which service can be provided to the customer.

T

Where the Special Access non-competitive EUCT is exempt from the Special Access Surcharge, as set forth in 7.3 following the customer shall furnish written certification to that effect as set forth in 7.3.3 following.

T

When ordering bridging, the Customer must specify the Company hub(s) from which they desire service. The Customer must specify only those hubs that provide the type of service ordered and interconnect with the wire center(s) from which the customer requires service. The Wire Center section of NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. Tariff F.C.C. No. 4 identifies hub types (e.g., Digital Data, High Capacity, etc.) and hub levels.

T

T

## ACCESS SERVICE

5 Access Ordering (Cont.)5.2 Ordering Requirements (Cont.)5.2.3 WATS or WATS-Type Services

Special Access Non-Competitive End-User Channel Terminations may be ordered for connection with FGA, FGB, FGC or FGD Switched Access Service at Telephone Company designated WATS Serving Offices (WSOs) for the provision of WATS or WATS-type Services and may be ordered separately by a customer other than the customer which orders the FGA, FGB, FGC or FGD Switched Access Service. For the Special Access Non-Competitive End-User Channel Terminations the customer shall specify:

N

- the customer designated premises at which the Special Access Non-Competitive End-User Channel Termination terminates
- the type of line (i.e., two-wire or four-wire)
- the type of calling (i.e., originating, terminating or two-way)
- type of Supervisory Signaling.

N  
N

N

5.2.4 Mixed Use Facilities - Switched Access Service and Special Access Non-Competitive End-User Channel TerminationsN  
N

Mixed use is the provision of both Switched Access Service and Special Access Non-Competitive End-User Channel Terminations over the same High Capacity facilities. Mixed use facilities to a hub will be ordered and provided as Special Access Non-Competitive End-User Channel Terminations. Where mixed use is employed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Non-Competitive End-User Channel Terminations as further elaborated and set forth in 6.4.7 and 7.2.7 following. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

T  
N  
N  
N  
N  
N

## ACCESS SERVICE

5 Access Ordering (Cont.)5.2 Ordering Requirements (Cont.)

D

D

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

Access Services provided by more than one Telephone Company are services where one end of the Channel Mileage element is in the operating territory of one Telephone Company and the other end of the element is in the operating territory of a different Telephone Company.

The ordering procedure for this service is dependent upon the billing arrangement, as set forth in 2.4.7 preceding, to be used by the Telephone Companies involved in providing the Access Service.

5.3.1 Meet Point Billing Ordering

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

## ACCESS SERVICE

5 Access Ordering (Cont.)5.4 Charges Associated with Access Ordering5.4.1 Access Order Charge

The Access Order Charge is applied to all customer requests for new Special and Switched Access Non-Competitive End-User Channel Terminations and Directory Assistance Service. In addition, the Access Order Charge is applicable to customer requests for additions, changes or rearrangements to existing Special Access non-competitive End User Channel Termination and Switched Access Service and Directory Assistance Service with the following exceptions:

N

N

N

The Access Order Charge does not apply:

- When a Service Date Change Charge is applicable.
- When a Design Change Charge is applicable.
- To administrative changes as set forth in 6.4.1(B)(3) and 7.2.2(C)(3) following.
- When a change to a pending order does not result in the cancellation of the pending order and the issuance of a new order.
- When the Interim NXX Translation charge is applicable.
- When a Miscellaneous Service Order Charge is applicable.
- When a Presubscription Charge is applicable.
- When a Company initiated network reconfiguration requires a customer's existing access service to be reconfigured.
- When a service with an ICB rate is converted to a similar service with a non-ICB tariff rate prior to the expiration of the ICB.
- When a pay-per-call toll denial service or pay per call toll restore is requested.
- When Payphone Service Providers (PSPs) obtain Coin Signaling Transmission Additive in conjunction with local exchange service lines for the provision of pay telephone service.

T

## ACCESS SERVICE

5 Access Ordering (Cont.)5.4 Charges Associated with Access Ordering (Cont.)5.4.1 Access Order Charge (Cont.)

- When a customer request a change of trunks from tandem-switched transport to direct-trunked transport or from direct-trunked transport to tandem-switched transport, or requests to rearrange Switched Access service between lower capacity and higher capacity facilities (e.g., voice grade to/from DS-1 or DS-1 to/from DS-3) providing:
  - the change is ordered no later than July 1, 1994, and
  - the change is completed no later than October 1, 1994, and
  - the orders to disconnect existing trunks and to connect the new trunks are placed at the same time, and
  - the number of installed trunks does not exceed the number of trunks disconnected, the Access Order Charge will apply unless the customer provides justification based upon standard engineering methods to show that the additional capacity is required to maintain the same level of service.

D

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

T  
T

The Access Order Charge will be applied on a per order basis for any change, rearrangement or addition to the delivery of signaling to an existing STP port.

## ACCESS SERVICE

5 Access Ordering (Cont.)5.4 Charges Associated with Access Ordering (Cont.)5.4.3 Access Order Change Charges

Access Order changes involve service date changes and design changes. The customer may request a change of its Access Order prior to the service date. The Telephone Company will make every effort to accommodate a requested change when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the change cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer. If the customer still desires the Access Order change, the Telephone Company will schedule a new service date as set forth in 5.1.2 preceding. All charges for Access Order change as set forth in 17.4.1(B) and (C) will apply on a per occurrence basis.

Any increase in the number of Special Access Non-Competitive End-User Channel Termination channels or Switched Access Service lines, trunks, CCS/SS7 Port Terminations, will be treated as a new Access Order (for the increased amount only).

N

D

If order changes are necessary to satisfy the transmission performance for a Special Access Non-Competitive End-User Channel Terminations ordered by a customer, these changes will be made without order change charges being incurred by the customer.

N

## ACCESS SERVICE

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

The customer may request a design change to the service ordered prior to the requested service date. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by Telephone Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of Transport Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design changes do not include a change of customer designated premises, first point of switching, Feature Group type or Special Access Non-Competitive End-User Channel Termination type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

N  
N

The Telephone Company will review the requested change, notify the customer whether the change is a design change, if the change can be accommodated and if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge as set forth in 17.4.1(C) following will apply in addition to the charge for Additional Engineering as set forth in 17.4.2 following. If a change of service date is required, the Service Date Change Charge as set forth in 17.4.1(B) following will also apply. The Access Order Charge as specified in 17.4.1 following does not apply.



## ACCESS SERVICE

5 Access Ordering (Cont.)5.5 Minimum Periods and Cancellations5.5.1 Minimum Periods

The minimum period for part-time Video Program Audio and Special Access Non-Competitive End-User Channel Terminations is one day even though the service will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.). The minimum period for Switched Access High Capacity DS3 Entrance Facilities and Direct Trunked Transport is as set forth in 6.1.3 following. The minimum period for High Capacity DS1 and DS3 Special Access Non-Competitive End-User Channel Terminations is as set forth in 7.2.4 following.

N  
NN  
N  
D  
D

The minimum period for which Directory Assistance Service and the Directory Access Service is provided and for which charges apply is six months. A minimum period of six months applies for each additional period of service ordered or extended.

Switched Access Service usage rated services (i.e., End Office, Common Line, Tandem Switched Transport) have no minimum period. The minimum period for which all other Access Service is provided and for which charges are applicable, is one month.

T  
D

## ACCESS SERVICE

5 Access Ordering (Cont.)5.5 Minimum Periods and Cancellations (Cont.)5.5.2 Development of Minimum Period Charges

When Access Service is disconnected after commencement of service but prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A disconnect constitutes facilities being returned to available inventory.

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

- (A) For Switched Access Non-Competitive End-User Channel Terminations, the charge for a month or fraction thereof is equal to the applicable recurring charges plus any nonrecurring and/or special construction charge(s) that may be due.
- (B) For Special Access Service, and flat rated Switched Access Service, the charge for a month or fraction thereof is the applicable monthly rates for the appropriate channel type plus any optional features, nonrecurring and/or special construction charge(s) that may apply.

N  
N

The Minimum Period Charge for part-time Video and Program Audio Services is the applicable daily rate for the appropriate channel type as set forth in 7.2.4 following.

The Minimum Period Charge for Directory Access Service is developed as set forth in 9.4.4 following.

## ACCESS SERVICE

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

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

(1) Installation of Switched Access Service or Special Access Non-Competitive End-User Channel Terminations facilities is considered to have started when the Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred.

N  
N  
T

(2) Where the customer cancels an Access Order prior to the start of installation of access facilities, no charges shall apply.

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

(a) A charge equal to the costs incurred in such installation, less estimated net salvage. Such costs include the nonrecoverable cost of equipment and material ordered, provided or used, plus the nonrecoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs

(b) The minimum period charges for Switched Access Service or Special Access Non-Competitive End-User Channel Terminations ordered by the customer, as set forth in 5.5.2 preceding.

N  
N

## ACCESS SERVICE

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

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

D  
|  
D

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

T

5.5.4 Partial Cancellation Charge

Any decrease in the number of ordered Special Access Non-Competitive End-User Channel Terminations or Switched Access Service lines, trunks, CCS/SS7 Port Terminations, will be treated as a partial cancellation and charges will be determined as set forth in 5.5.3(B) preceding.

N  
N  
D

## ACCESS SERVICE

6 Switched Access Service (Cont.)6.1 General (Cont.)6.1.3 Rate Categories (Cont.)A) Local Transport (Cont.)(4) Multiplexing

DS3 to DS1 Multiplexing charges apply when a High Capacity DS3 Entrance Facility or High Capacity DS3 Direct Trunked Facility is connected with High Capacity DS1 Direct Trunked Transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

DS1 to Voice Grade Multiplexing charges apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Facility is connected with Voice Grade Direct Trunked Transport. However a DS1 to Voice Grade Multiplexing charge does not apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is terminated at an electronic end office and only Switched Access Service is provided over the DS1 facility (i.e., Voice Grade Special Access Non-Competitive End-User Channel Terminations are not derived). The DS1 to Voice Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

N

Multiplexing is only available at wire centers identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION.

(5) Interface Groups

Ten Interface Groups are provided for terminating the Entrance Facility at the customer's designated premises. Technical specifications concerning the available interface groups are set forth in 14.1 following.

## ACCESS SERVICE

6 Switched Access Service (Cont.)6.4 Rate Regulations (Cont.)6.4.1 Description and Application of Rates and Charges (Cont.)(C) Application of Rates (Cont.)(4) Shared Transport

Shared Transport refers to a rate application that is applicable only when the customer orders High Capacity Direct Trunked Transport between a serving wire center and a Company hub where the Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Direct Trunked Transport and Tandem Switched Transport. When the same customer also orders Special Access Non-Competitive End-User Channel Terminations to be provided over this same high capacity facility, this service is considered to be Mixed Use and the regulations set forth in 7.2.7 following must first be applied to separate the portion to be charged as Switched Access Service from the portion to be charged as Special Access Non-Competitive End-User Channel Terminations.

T

N  
NN  
N

Except as noted previously, the Switched Access Service will be ordered, provided and rated as Direct Trunked Transport (i.e., Direct Trunked Facility and Direct Trunked Termination). As each derived channel is activated for Tandem Switched Transport, the High Capacity Direct Trunked Transport and Multiplexing rates will be reduced accordingly (e.g., 1/24th for a High Capacity DS1 service, 1/672nd for a High Capacity DS3 service, etc.). Tandem Switched Transport rates and charges, as set forth in 17.2.2 following, will apply for each channel that is used to provide the Tandem Switched Transport.

## ACCESS SERVICE

6 Switched Access Service (Cont.)6.4 Rate Regulations (Cont.)6.4.7 Mixed Use

Mixed use occurs when Switched Access Service and Special Access Non-Competitive End-User Channel Terminations are provided over the same High Capacity service through a common interface. The regulations governing the provision of Mixed Use Facilities are set forth in 5.2.4 preceding and 7.2.7 following.

N

6.4.8 Message Unit Credit for Feature Group A

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 Telephone Company's local and/or general exchange service tariffs. No credit will apply for any terminating FGA access minutes. The message unit credit for originating access minutes will be based on the generally applicable message unit charges of the Company.

T

T

6.4.9 Application of Rates for Feature Group A Extension Service

Feature Group A Switched Access Service is available with extensions, i.e., additional terminations of the service at different customer designated premises. Feature Group A extensions within the same state as the dial tone office are provided and charged under the Alaska Exchange Carrier's Association tariff. Feature Group A extensions located in a different state are provided and charged as Special Access Non-Competitive End-User Channel Terminations. The rate elements which apply are: A Voice Grade Channel Termination, Channel Mileage, if applicable, and Signaling Capability (optional features and functions), if applicable. All appropriate monthly rates and nonrecurring charges set forth in 17.3.2 following will apply.

N

N

## ACCESS SERVICE

7 Special Access Service7.1 General

As of August 1, 2017, Special Access Services were changed to a competitive or non-competitive designation. Non-Competitive End User Channel Terminations (EUCTs) are filed as part of this tariff and remain under Price Cap Regulation. Other Special Access Services required to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

N  
|  
N

Special Access Service, a subset of Business Data Services which provides a transmission path to connect customer designated premises directly through a Company hub or hubs where bridging or multiplexing functions are performed, or to connect a customer designated premises and a WATS Serving Office. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

T  
T  
T

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

M  
|  
M

M – Material moved to Page 7-2



## ACCESS SERVICE

## 7. Special Access Service

## 7.1 General (Con't)

The Following areas are deemed non-competitive for Special Access End User Channel Terminations (EUCTs) covered by this tariff.

ACS of Anchorage, LLC			
<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>		
*Hope	*		
ACS of the Northland, LLC - Glacier State			
<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Delta Junction	DLJTAKXA	Nenana	NENAAKXA
Ft Greely	FTGRAXXA	Ninilchik	NCHKAKXA
Homer	HOMRAKXA	North Kenai	NKENAKXA
Kenai	KENAAKXA	Seldovia	SLDVAKXA
Kodiak	KODKAKXC	Soldotna	SLDTAKXA
Kodiak Base	KODKAKAG		

ACS of the Northland, LLC - Sitka			
<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>	<u>Serving Wire Center</u>	<u>8-Digit CLLI Code</u>
Akhiok	AKHKAKXA	Larsen Bay	LRBAAKXA
Akutan	AKTNAKXA	Meshik/Pt Heiden	MSHKAKXA
Angoon	ANGNAKXA	Nelson Lagoon	NLLGAKXA
fcAtka	ATKAAKXA	Nikolski	NKLIKXA
Border City	BRCYAKXA	Nondalton	NDLTAKXA
Chignik	CGNKAKXA	Northway	NRWYAKXA
Chignik Lagoon	CGLGAKXA	Nulato	NULTAKXA
Chignik Lake	CGLKAKXA	Old Harbor	OLHBKAKXA
Coffman Cove	CFCVAKXA	Ouzinkie	OUZKAKXA
Egegik	EGEKAKXA	Pedro Bay	PDBAAKXA
Elfin Cove	EFCVAKXA	Pelican	PLCNAKXA
English Bay/Nanwalek	EHBAKXA	Perryville	PYVLAKXA
False Pass	FLPSAKXA	Pilot Point	PLPTAKXA
Gustavus	GSTVAKXA	Point Baker	PNBKAKXA
Halibut Cove	HTCVAKXA	Port Alexander	PTALAKXA
Hoonah	HONHAKXA	Port Alsworth	PTAHAKXA
Hughes	HGHSKXA	Port Graham	PTGMKXA
Huslia	HUSLAKXA	Port Protection	PTPRKXA
Kake	KAKEKXA	Sitka	SITKAKXA
Kakhonak	KHNKAKXA	St George	STGRKXA
Kaltag	KLTGAKXA	St Paul	STPLAKXA
Karluk	KRLKAKXA	Tenakee Springs	TKSPKXA
Kasaan	KASNAKXA	Thorne Bay	THBYKXA
Klawock	KLWKAK01	Yakutat	YKUTAKXA
Koyukuk	KYKKAKXA		

\*Note: ACS of Anchorage, LLC provides Special Access Non-Competitive EUCTs in the Hope area only which does not have a serving wire center. Non-Competitive Special Access EUCT for the Hope area may be ordered through a Competitive Serving Wire Center.

## ACCESS SERVICE

7 Special Access Service (Cont.)  
7.1 General (Cont.)7.1.1 Channel Types

M

Each type of Special Access Service Channel has its own characteristics. All are subdivided by one or more of the following:

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

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

Telephone Company Centrex CO is considered to be a customer designated premises for purposes of this tariff.

M

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

Following is a brief description of each type of Non-Competitive End User Channel Termination:

N  
N

Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300 to 3000 Hz.

Program Audio - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 200 to 3500 Hz, from 100 to 5000 Hz, from 50 to 8000 Hz, or from 50 to 15000 Hz.

Video - a channel for the transmission of standard 525 line 60 field monochrome or National Television Systems Committee color video signal and one or two associated 5 or 15 kHz audio signals. The bandwidth is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz.

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56 kbps.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, or 44.736 Mbps.

Detailed descriptions of each of the channel types are provided in 7.4 through 7.8 following.

---

M – Material moved from Page 7-1

## ACCESS SERVICE

7 Special Access Service (Cont.)

## 7.1 General (Cont.)

### 7.1.1 Channel Types (Cont.)

The customer also has the option of ordering Voice Grade and High Capacity non-competitive End User Channel Termination facilities (i.e., 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, and 44.736 Mbps) to Company hubs for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the optional features and function available are set forth in 7.4 and 7.8 following.

T  
D  
T  
D  
|  
D

### 7.1.2 Service Descriptions

For the purposes of ordering, following are the categories of Special Access Services in this tariff:

TT

## Service Designator Codes

Voice - VG  
Program Audio - AP  
Video - TV  
Digital Data - DA  
High Capacity - HC

## ACCESS SERVICE

7 Special Access Service (Cont.)7.1 General (Cont.)7.1.2 Service Descriptions (Cont.)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Technical specifications packages are described in Section 14 following, optional features and functions are described in this section. Channel interfaces are described in 14.2 following.

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

T

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

The channel descriptions provided in 7.4 through 7.8 following, specify the characteristics of the basic channel and indicate whether the channel is provided between customer designated premises, between a customer designated premises and a Company hub where bridging or multiplexing functions are performed, between hubs, or between a customer designated premises and a WATS Serving Office

T

D

|

D

- (A) Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in matrices set forth in 14.2 following.

## ACCESS SERVICE

7 Special Access Service (Cont.)7.1 General (Cont.)7.1.2 Service Descriptions (Cont.)

- (B) Channel interfaces at each Point of Termination on a two point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 14.2 following, in a combination format.
- (C) Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in (F) following. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.
- (D) The optional features and functions available with each type of Special Access Non-Competitive End User Channel Termination are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in matrices set forth in 14.2 following with the optional feature or function listed down the left side and the technical specifications package listed across the top. T
- (E) The Company will maintain services installed prior to April 1, 1985, at their existing transmission specifications provided such performance specifications do not exceed the standards listed in this provision. Those services exceeding the standards listed will be maintained at the performance levels specified in this tariff. T
- (F) All services installed after April 1, 1985 will conform to the transmission specifications standards contained in this tariff or in the following Technical References for each category of service:

## ACCESS SERVICE

7 Special Access Service (Cont.)7.1 General (Cont.)7.1.3 Service Configurations

There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed, or a customer designated premises and a WATS Serving Office (WSO).

D  
D

Applicable rate elements are:

- Non-Competitive End User Channel Termination
- Optional Features and Functions (when applicable)

N  
D

D

D

## ACCESS SERVICE

- 7 Special Access Service (Cont.)  
 7.1 General (Cont.)  
 7.1.3 Service Configurations (Cont.)

(A) Two-Point Service (Cont.)

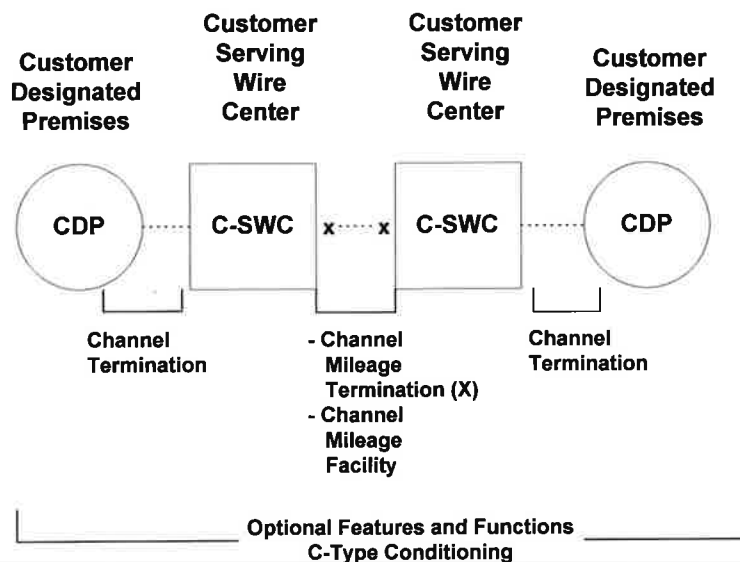
Applicable rate elements for Special Access are:

- Channel Termination
- Channel Mileage
- .2 Channel Mileage Terminations plus
- .1 section, Channel Mileage Facility per mile
- Special Access Surcharge\*

A Special Access Surcharge, as set forth in 7.3 following, may be applicable.

The following diagram depicts a Two-Point Voice Grade service connecting two Customer Designated Premises to (CDP). The service is provided with C-Type conditioning. The rate elements found in this tariff are the End User Channel Termination services in a serving wire center designated as non-competitive.

N  
N  
N



Applicable rate elements for Special Access are:

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

\* May not apply if exemption certification is provided.

## ACCESS SERVICE

7 Special Access Service (Cont.)7.1 General (Cont.)7.1.3 Service Configurations (Cont.)(B) Multipoint Service

Multipoint service connects three or more customer designated premises through one or more Company hubs. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel.

T

The channel between hubs (i.e., bridging locations) on a multipoint service is a mid-link. There is no limitation on the number of mid-links available with a multipoint service. However, when more than three mid-links in tandem are provided the quality of the overall service may be degraded.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.1.2 preceding and 14.2 following, will be provided when technically possible. If the Company determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

T

When ordering, the customer will specify the desired bridging hub(s). NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 4 identifies serving wire centers, hub locations and the type of bridging functions available.

Applicable Rate Elements are:

- Non-Competitive End User Channel Terminations (one per customer designated premises)

N

-

D  
|  
D

- Bridging
- Additional Optional Features and Functions (when applicable).

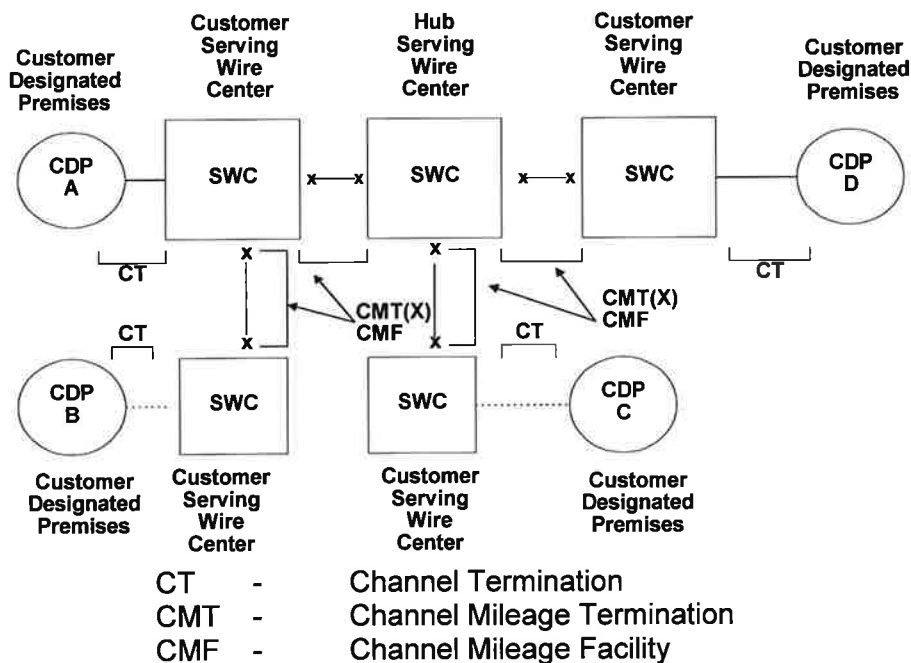


## ACCESS SERVICE

7 Special Access Service (Cont.)  
7.1 General (Cont.)  
7.1.3 Service Configurations (Cont.)(B) Multipoint Service (Cont.)

The Special Access Surcharge, as set forth in 7.3 following, may be applicable.

Example: The following diagram depicts a Voice Grade multipoint service connecting four customer designated premises (CDP) via two customer specified bridging hubs. The rate elements found in this tariff are the End User Channel Termination (EUCT) services in a serving wire center designated as Non-Competitive EUCT.

T  
N  
|  
N

Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage
  - 2 Channel Mileage Terminations per Channel Mileage Facility section for a total of 8 plus
  - 4 sections, Channel Mileage Facility per mile
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

## ACCESS SERVICE

7 Special Access Service (Cont.)7.1 General (Cont.)7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Company will make such special arrangements available on an individual case basis.

T

T

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12 following, Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered [i.e., Non-Competitive End User Channel Terminations, Channel Mileage (as applicable) and Optional Features and Functions (if any)].

N

N

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special 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 11 following.

7.1.6 Design Layout Report

At the request of the customer, the Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

T

## ACCESS SERVICE

7 Special Access Service (Cont.)7.1 General (Cont.)7.1.7 Acceptance Testing

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

- |     |   |   |
|-----|---|---|
| (A) | For Voice Grade, Non-Competitive End User Channel Terminations, the acceptance test will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order of service. Additionally, for Voice Grade services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature. | N |
| (B) | For other analog Non-Competitive End User Channel Terminations and for digital Non-Competitive End User Channel Terminations services (i.e., Digital Data and High Capacity), acceptance tests will include tests applicable to the service as specified by the customer in the order for service.  | N |

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade service to test other parameters, as described in 13.3.1(B) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

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

## ACCESS SERVICE

7 Special Access Service (Cont.)7.2 Rate Regulations

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

7.2.1 Rate Categories

Basic rate categories which apply to Special Access Service. In this tariff are as follows:

- Non-Competitive End User Channel Terminations  
(described in 7.2.1(A) following) N  
D
- Optional Features and Functions (described in 7.2.1(C)  
following).

(A) Non-Competitive End User Channel Termination N

The Non-Competitive End User Channel Termination rate category recovers the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Non-Competitive End User Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability is provided as an option feature as set forth in © following. N

D

D

## ACCESS SERVICE

7 Special Access Service (Cont.)7.2 Rate Regulations (Cont.)7.2.1 Rate Categories (Cont.)(A) Non-Competitive End User Channel Termination (Cont.)

T

One Non-Competitive End User Channel Termination (EUCT) charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building, except as provided for below. The Non-Competitive (EUCT) charge will not apply when: 1) the customer designated premises and serving wire center are physically (including caged, cageless, shared and adjacent arrangements) or virtually collocated as those terms are used in 47 CFR § 51.323 and, 2) the customer obtains such collocation for the purpose of interconnection with the Company's network for the transmission and routing of telephone exchange service, exchange access service or both, and for the purpose of providing local exchange or exchange access services to its customers.

N  
NN  
N

For DS3 High Capacity Service, the Non-Competitive (EUCT) rates are made up of the DS3 Facility rate and the DS3 Channel Interface Connection rate. The Facility rate is dependent upon the capacity ordered (i.e. Facility of 3, 6 or 9) and may be applicable at each customer designated premises. The capacity ordered is the maximum number of DS3 services that can be terminated on a given Facility at the customer designated premises (e.g., a capacity of 3 can terminate 1, 2, or 3 DS3 Channel Interface Connections). The DS3 Facility may be customer provided.

N  
N

One DS 3 Channel Interface Connection rate applies per customer designated premises at which the channel is terminated for each DS3 channel that is ordered. This charge applies whether or not the DS3 Facility is customer provided.

ACCESS SERVICE

7 Special Access Service (Cont.)

7.2 Rate Regulations (Cont.)

7.2.1 Rate Categories (Cont.)

D

D

ACCESS SERVICE

7 Special Access Service (Cont.)

7.2 Rate Regulations (Cont.)

7.2.1 Rate Categories (Cont.)

D

D

## ACCESS SERVICE

7 Special Access Service (Cont.)7.2 Rate Regulations (Cont.)7.2.1 Rate Categories (Cont.)(C) Optional Features and Functions

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

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

N  
ND  
|  
D

Descriptions for each of the available Optional Features and Functions are set forth in 7.4 through 7.8 following.



## ACCESS SERVICE

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

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

(A) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that a Special Access non-competitive End User Channel Termination is provided. For billing purposes, each month is considered to have 30 days.

N  
N(B) Daily Rates

Daily rates are recurring rates that apply to each 24-hour period or fraction thereof that a Program Audio or Video Special Access non-competitive End User Channel Termination is provided for part time use. For purposes of applying daily rates, the 24-hour period is not limited to a calendar day.

N  
N

Part-time Video or Program Audio non-competitive End User Channel Termination provided within a consecutive 30-day period will be charged the daily rate, not to exceed the monthly rate. For each day or partial day after a consecutive 30-day period of service, a charge equal to 1/30th of the monthly rate shall apply.

N  
N(C) Nonrecurring Charges

Nonrecurring charges are one time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access non-competitive End User Channel Termination are: installation of service, installation of optional features and functions, and service rearrangements. These charges are in addition to the Access Order Charge as specified in 17.4.1 following.

N  
N

## ACCESS SERVICE

7 Special Access Service (Cont.)7.2 Rate Regulations (Cont.)7.2.2 Types of Rates and Charges (Cont.)(C) Nonrecurring Charges (Cont.)(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set for each channel type as a nonrecurring charge for the non-competitive End User Channel Termination.

N  
N(2) Installation of Optional Features and Functions

When optional features and functions are installed coincident with the initial installation of service, no separate nonrecurring charge is applicable. When optional features and functions are installed or changed subsequent to the installation of service, an Access Order Charge as specified in 17.4.1 following will apply per order.

(3) Service Rearrangements

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

Changes in the physical location of the point of termination or customer designated premises are moves as set forth in 7.2.3 following.

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

N  
N

ACCESS SERVICE

7      Special Access Service (Cont.)

7.2    Rate Regulations (Cont.)

7.2.2   Types of Rates and Charges (Cont.)

(C)    Nonrecurring Charges (Cont.)

(3)    Service Rearrangements

All other service rearrangements will be charged as follows:

- If the change involves the addition of other customer designated premises to an existing service, the nonrecurring charge for the non-competitive End User Channel Termination rate element will apply. The charge(s) will apply only for the location(s) that is being added. The charge(s) will be in addition to an Access Order Charge as set forth in 17.4.1 following.
- If the change involves the addition of an optional feature or function (with the exception of the addition of Clear Channel Capability to an existing service), or if the change involves changing the type of signaling on a Voice Grade non-competitive End User Channel Termination, and for all other changes, the Access Order Charge as set forth in 17.4.1 following will apply.
- When the Clear Channel Capability optional feature is installed on an existing facility, the addition will be treated as a discontinuance and start of service and all associated non-recurring charges will apply.

N  
N

N  
N

## ACCESS SERVICE

7 Special Access Service (Cont.)7.2 Rate Regulations (Cont.)7.2.4 Minimum Periods

The minimum service period for all services except part-time Video and Program Audio services and DS3 High Capacity Service is one month and the full monthly rate will apply to the first month. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in 2.4.1(F) preceding. The minimum service period for part-time Video and program Audio services is a continuous 24-hour period, not limited to a calendar day. The minimum service period for DS3 High Capacity service is twelve months.

D

D

ACCESS SERVICE

7 Special Access Service (Cont.)

7.2 Rate Regulations (Cont.)

D

D

## ACCESS SERVICE

7 Special Access Service (Cont.)7.2 Rate Regulations (Cont.)7.2.6 Facility Hubs

A customer has the option of ordering Voice Grade Non-Competitive End User Channel Termination or High Capacity Non-Competitive End User Channel Termination (i.e., DS1, DS1C, DS2, DS3 or DS4) to a facility hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, Program Audio, etc.).

N  
N  
N

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Order the customer will specify the desired hub.

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 identifies serving wire centers, hub locations, hub level.

D  
D  
|  
D

Point to point services may be provided on channels of these services to a hub. The transmission performance for the point to point service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps channel is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

ACCESS SERVICE

7      Special Access Service (Cont.)

7.2    Rate Regulations (Cont.)

7.2.6   Facility Hubs (Cont.)

The Company will commence billing the monthly rate for the service to the hub on the date specified by the customer on the Access Order. Individual channels utilizing these services may be installed coincident with the installation of the service to the hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a High Capacity Non-Competitive End User Channel Termination, and the multiplexer at the time the service is installed. Individual service rates (by service type) will apply for a Non-Competitive End User Channel Termination for each channelized service. These will be billed to the customer as each individual service is installed.	T
	N
	D
	N
	D
	N
	D
	D
The Company will designate hubs for Program Audio and Video Services. Full-time or part-time service may be provided between customer designated premises or between a customer designated premises and a hub and billed accordingly at the monthly rates set forth in rate sections following for a Non-Competitive End User Channel Termination and Optional Features and Functions, as applicable.	T
	N
	N
	D

## ACCESS SERVICE

7 Special Access Service (Cont.)7.2 Rate Regulations (Cont.)7.2.6 Facility Hubs (Cont.)

When the Non-Competitive End User Channel Termination service is ordered to a hub, the customer may order a full-time or part-time Video and Program Audio services as needed between that hub and additional customer designated premises. The rate elements required to provide the part-time service (i.e., Non-Competitive End User Channel Termination, and Optional Features and Functions, as applicable) will be billed at daily rates for the duration of the service requested.

N

N  
D7.2.7 Mixed Use Analog and Digital High Capacity Services

Mixed use refers to a rate application applicable only when the customer orders High Capacity Special Access facilities between a customer designated premises and a Company hub where the Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Special Access Service and Switched Access Services. If the customer has Switched Access Service between a customer designated premises and an end office that is multiplexed at a Telephone Company hub and subsequently orders the derived channels as Special Access Service and Switched Access Service, rates and charges will apply as if the service were ordered as mixed use.

T  
T  
T

T

Except as noted previously, the High Capacity facility will be ordered, provided and rated as Special Access Service (i.e., Non-Competitive End User Channel Termination, Channel Mileage, as appropriate, and Multiplexing Arrangement). The nonrecurring charge that applies when the mixed use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Non-Competitive End User Channel Termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for Switched Access Service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the mixed use facility.

N  
N  
N  
  
N  
N



## ACCESS SERVICE

7 Special Access Service (Cont.)7.2 Rate Regulations (Cont.)7.2.7 Mixed Use Analog and Digital High Capacity Services (Cont.)

When Special Access Service is provided utilizing a channel of the mixed use facility to a 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, etc.). The applicable rates and charges will include a Non-Competitive End User Channel Termination if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

N  
D

As each individual channel is activated for Switched Access Service, the High Capacity Special Access Non-Competitive End User Channel Termination rates will be reduced accordingly (e.g., 1/24th for a DS1 service, 1/672nd for DS3 service, etc.).

N  
N  
D

Switched Access Service rates and charges, as set forth in 17.2 following, will apply for each channel of the standard use facility that is used to provide a Switched Access Service. Additionally, the Switched Access Service Entrance Facility, Direct Trunked Transport, and Multiplexing charges, if applicable, will be reduced by multiplying their respective rates by the ratio of derived Switched Access Service channels to the total number of Voice Grade channels that can be derived.

The customer must place an order for each individual Switched Access Service or Special Access Non-Competitive End User Channel Termination utilizing the Mixed Use Facilities and specify the channel assignment for each such service.

N  
N

## ACCESS SERVICE

7 Special Access Service (Cont.)7.3 Surcharge for Special Access (Cont.)7.3.4 Rate Regulations (Cont.)

- (D) The Company will cease billing the Special Access Surcharge when certification, as set forth in 7.3.3. preceding, is received. If the status of the Special Access Service was changed prior to receipt of the exemption certification, the Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change as specified by the customer in the letter of certification. T
- T

7.4 Voice Grade Service7.4.1 Basic Channel Description

A Voice Grade non-competitive End User Channel Termination is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice Grade channels are provided between customer designated premises, between a customer designated premises and a Telephone Company hub or hubs, or between a customer designated premises and a WATS Serving Office (WSO). N

Voice Grade Special Access non-competitive End User Channel Termination are typically used for voice and voiceband data applications. Typical examples of voice grade circuits are Foreign Exchange lines (station end only), multipoint private line, voice trunk type, two-point voice grade data (one-way or simultaneous two-way), multipoint voice grade data, and voice grade telephoto or facsimile. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. N

Rates and charges for Special Access Voice Grade non-competitive End User Channel Termination are as set forth in 17.3.2 following. N

## ACCESS SERVICE

7 Special Access Service (Cont.)7.4 Voice Grade Service (Cont.)7.4.3 Optional Features and Functions (Cont.)(E) Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged the four-wire non-competitive End User Channel Termination rate as set forth in 17.3.2(A) following when an effective four-wire is specified in the order for service. The rate for the conversion is included as part of the basic four-wire non-competitive End User Channel Termination rate.

N

N

N

7.5 Program Audio Service7.5.1 Basic Channel Description

A Program Audio non-competitive End User Channel Termination is a channel with bandwidth measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio non-competitive End User Channel Termination are provided between customer designated premises or between a customer designated premises and a Company hub or hubs.

N

N

N

T

Program Audio Special Access non-competitive End User Channel Termination are typically used in full-time and part-time applications for radio broadcasting, noncommercial educational audio, and wired music. These examples of applications are not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use.

N

Rates and charges for Special Access Program Audio non-competitive End User Channel Termination are as set forth in 17.3.3 following.

N

N

## ACCESS SERVICE

7 Special Access Service (Cont.)7.7 Digital Data Service7.7.1 Basic Channel Description

Digital Data non-competitive End User Channel Termination is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56.0 or 64\* Kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Company through the Company's facilities to the customer in the received bit stream. Digital Data non-competitive End User Channel Termination are provided as either hubbed or non-hubbed services between customer designated premises and a Company hub or hubs. The hubs providing hubbed digital service are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. Wire Center Information, Tariff F.C.C. No. 4.

N

T  
N  
N

T

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data non-competitive End User Channel Termination at the customer premises.

N  
N

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds (if provided through a Digital Data hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

T

Rates and charges for Special Access Digital Data non-competitive End User Channel Termination are as set forth in 17.3.5 following.

N  
N

\*When 64.0 Kbps service is multiplexed on a DS-1 High Capacity Service, The DS-1 must be equipped to provide a Clear Channel Capability. 64.0 Kbps service is offered to Utility customers subject to the availability of facilities and to Utility engineering and network constraints.

## ACCESS SERVICE

7 Special Access Service (Cont.)7.7 Digital Data Service (Cont.)7.7.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 14.2.1(D) following. Compatible channel interfaces are set forth in 14.2.2(C)(3) following.

The following network channel interfaces (NCIs) define the bit rates that are available for a Digital Data Non-Competitive End-User Channel Terminations:

N  
N

<u>NCI</u>	<u>Bit Rate</u>
DU-24	2.4 Kbps
DU-48	4.8 Kbps
DU-96	9.6 Kbps
DU-19	19.2 Kbps
DU-56	56.0 Kbps
DU-64	64.0 Kbps

7.7.3 Optional Features and Functions

The Optional Features and Functions described following is only available where Digital Data Service is provided via a hub.

7.7.4 Central Office Bridging Capability

The table set forth in 14.2.1(D) following shows the technical specifications packages with which the optional feature and function is available. Bridging is not available on a 64.0 Kbps channel.

## ACCESS SERVICE

7 Special Access Service (Cont.)7.8 High Capacity Service7.8.1 Basic Channel Description

A High Capacity Non-Competitive End-User Channel Termination is a channel for the transmission of nominal 64.0 Kbps or 1.544, 3.152, 6.132, or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Company hub or hubs.

N  
DT  
D  
D  
DD  
|  
D

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.

A channel with technical specifications package HC1 will be capable of an error free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

Rates and charges for Special Access High Capacity Non-Competitive End-User Channel Terminations are as set forth in 17.3.6 following.

N  
ND  
D

## ACCESS SERVICE

7 Special Access Service (Cont.)7.8 High Capacity Service (Cont.)7.8.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in 14.2.1(E) following. Compatible channel interfaces are set forth in 14.2.2(C)(4) following.

The following network channel interfaces (NCIs) define the bit rates that are available for a High Capacity Non-Competitive End-User Channel Termination:

N  
N

<u>NCI</u>	<u>Bit Rate</u>
DS-15*	1.544 Mbps (DS1)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

D

7.8.3 Optional Features and Functions(A) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel line when a working line fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer designated premises. The customer is responsible for providing the equipment at its designated premises. Equipment at the customer designated premises will be provided under tariff only if it existed in the Telephone Company inventory as of November 18, 1983.

\* A 64.0 Kbps channel is available as a channel(s) of a 1.544 Mbps channel to a Telephone Company hub.

ACCESS SERVICE

7 Special Access Service (Cont.)

7.8 High Capacity Service (Cont.)

7.8.3 Optional Features and Functions (Cont.)

D

D



## ACCESS SERVICE

- 7 Special Access Service (Cont.)  
7.8 High Capacity Service (Cont.)  
7.8.3 Optional Features and Functions (Cont.)

D

D

(C) Clear Channel Capability (CCC)

- (1) CCC is an arrangement that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity Non-Competitive End-User Channel Termination or over a 1.544 Mbps High Capacity Non-Competitive End-User Channel Termination derived from a multiplexed 44.736 Mbps High Capacity Non-Competitive End-User Channel Termination with no constraint on the quantity or sequence of one and zero bits. This arrangement requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code as described in Technical Reference TR-NPL-000054 and Technical Reference TR-INS-000342.
- (2) CCC is provided subject to availability of facilities, on DS1/1.544 Mbps High Capacity Non-Competitive End-User Channel Termination between two customer designated premises and on multiplexed DS3/44.736 Mbps High Capacity Non-Competitive End-User Channel Termination or multiplexed DS1/1.544 Mbps High Capacity Non-Competitive End-User Channel Termination between a company hub office and a customer designated premises. The wire centers providing CCC are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION INC., WIRE CENTER INFORMATION, TARIFF F.C.C. NO. 4.

N

N

N

N

N

N

ACCESS SERVICE

7 Special Access Service (Cont.)

7.8 High Capacity Service (Cont.)

7.8.3 Optional Features and Functions (Cont.)

(C) Clear Channel Capability (CCC)

- (3) The CCC optional feature may be ordered at the same time the High Capacity Non-Competitive End-User Channel Termination is ordered or it may be ordered as an addition to an existing High Capacity Service. The customer must agree to put out-of-service periods required to add this feature to an existing High Capacity Service. The charges for the CCC optional feature are as set forth in 7.2.2(C)(3) preceding.

N  
N

D  
D

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-47  
Cancels Original Page 7-47

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-48  
Cancels Original Page 7-48

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-49  
Cancels Original Page 7-49

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-50  
Cancels Original Page 7-50

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-51  
Cancels Original Page 7-51

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-52  
Cancels Original Page 7-52

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017



ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-53  
Cancels Original Page 7-53

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACCESS SERVICE

D

D

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-55  
Cancels Original Page 7-55

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-56  
Cancels Original Page 7-56

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-57  
Cancels Original Page 7-57

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 7-58  
Cancels Original Page 7-58

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACCESS SERVICE

10 Special Federal Government Access Services (Cont.)

10.5 Service Offerings to the Federal Government (Cont.)

D

D

10.5.2 Mileage Application

Mileage, when used for rate application between the serving wire centers of two customer designated premises, shall be determined by the V and H Coordinates Method as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 and administered as set forth in 7.2.5 preceding.

## ACCESS SERVICE

13 Additional Engineering, Additional Labor and Miscellaneous Services

In this section, normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 8:00 a.m. to 5:00 p.m.) for the application of rates based on working hours.

A Miscellaneous Service Order charge as described in 5.4.2 preceding may be applicable to services ordered from this section.

13.1 Additional Engineering

For Special Access Additional Engineering, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Additional Engineering to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

N  
|  
N

Additional Engineering, including engineering reviews as set forth in 5.4.3 preceding, will be undertaken only after the Telephone Company has notified the customer that additional engineering charges apply as set forth in 17.4.2 following, and the customer agrees to such charges.

Additional Engineering will be provided by the Telephone Company at the request of the customer only when:

- (A) A customer requests additional technical information after the Telephone Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in 6.1.5 and 7.1.6 preceding.
- (B) Additional engineering time is incurred by the Telephone Company to engineer a customer's request for a customized service as set forth in 7.1.2 preceding.
- (C) A customer requested Design Change requires the expenditure of additional engineering time. Such additional engineering time is incurred by the Telephone Company for the engineering review as set forth in 5.4.3 preceding. The charge for additional engineering time relating to the engineering review, which is undertaken to determine if a Design Change is indeed required, will apply whether or not the customer authorizes the Telephone Company to proceed with the Design Change. In this case the Design Change charge, as set forth in 17.4.1(C) following, does not apply unless the customer authorizes the Telephone Company to proceed with the Design Change.



## ACCESS SERVICE

13 Additional Engineering, Additional Labor and Miscellaneous Services13.2 Additional Labor

For Special Access Additional Labor, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Additional Labor to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

N  
|  
N

Additional Labor is that labor requested by the customer on a given service and agreed to by the Telephone Company as set forth in 13.2.1 through 13.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in 17.4.3 following will apply before any additional labor is undertaken. When provisioning or restoring Telecommunications Service Priority services, the Telephone Company will, when possible, notify the customer of the applicability of these Additional Labor charges.

13.2.1 Overtime Installation

Overtime installation is that Telephone Company installation effort outside of normally scheduled working hours.

13.2.2 Overtime Repair

Overtime repair is that Telephone Company effort performed outside of normally scheduled working hours.

13.2.3 Stand-by

Stand-by includes all time in excess of one-half (1/2) hour during which Telephone Company personnel stand by to make installation acceptance tests or cooperative tests with a customer to verify facility repair on a given service.

13.2.4 Testing and Maintenance with Other Telephone Companies

Additional testing, maintenance or repair of facilities which connect other telephone companies is that which is in addition to the normal effort required to test, maintain or repair facilities provided solely by the Telephone Company.

13.2.5 Other Labor

Other labor is that additional labor not included in 13.2.1 through 13.2.4 preceding and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

## ACCESS SERVICE

13 Additional Engineering, Additional Labor and Miscellaneous Services (Cont.)13.3 Miscellaneous Services (Cont.)13.3.1 Testing Services (Cont.)(A) Switched Access Service (Cont.)(4) Obligations of the Customer

(A) The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support routine testing as set forth in 6.2.4(B) preceding or AAT as set forth in 13.3.1(A)(2) preceding.

(B) The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

(B) Special Access Service

For Special Access Testing Services, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Testing Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location. The Company will provide assistance in performing specific tests requested by the customer.

N  
|  
N

(1) Additional Cooperative Acceptance Testing

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the requested tests, the Telephone Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services. At the customer's request, the Telephone Company will provide a technician at the customer's premises or at the end user premises. These tests may, for example, consist of the following:

- Attenuation Distortion
- Intermodulation Distortion
- Phase Jitter
- Impulse Noise
- Envelope Delay Distortion
- Echo Control
- Frequency Shift

## ACCESS SERVICE

13 Additional Engineering, Additional Labor and Miscellaneous Services (Cont.)13.3 Miscellaneous Services (Cont.)13.3.1 Testing Services (Cont.)(B) Special Access Service (Cont.)(2) Additional Manual Testing

The Telephone Company will provide a technician at its premises, and the Telephone Company or customer will provide a technician at the customer's designated premises with suitable test equipment to perform the requested tests.

(3) Obligation of the Customer

When the customer subscribes to Testing Service as set forth in this section, the customer shall make the facilities to be tested available to the Telephone Company at time mutually agreed upon.

13.3.2 Maintenance of Service

For Special Access Maintenance of Service, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Maintenance of Service to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

N  
|  
N

(A) When a customer reports a trouble to the Telephone Company for clearance and no trouble is found in the Telephone Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge as set forth in 17.4.4(F) following for the period of time from when Telephone Company personnel are dispatched, at the request of the customer, to the customer designated premises to when the work is completed. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

(B) The customer shall be responsible for payment of a Maintenance of Service charge when the Telephone Company dispatches personnel to the customer designated premises, and the trouble is in equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.

## ACCESS SERVICE

14 Access Service Interfaces and Transmission Specifications (Cont.)14.2 Special Access Service

For Special Access Service, only Non-Competitive End-User Channel Terminations are filed as part of this tariff. Other Special Access Services to complete the circuit are outside this tariff and can be accessed at the Company's website or Company's other designated location.

N  
|  
N

This section explains and lists the codes that the customer must specify when ordering Special Access Service, Switched Access, Entrance Facilities and Voice Grade and High Capacity Direct Trunked Transport. These codes provide a standardized means to relate the services being ordered to Special Access Service offerings contained in Section 7 preceding.

When ordering, the type of Special Access Service or Switched Access Entrance Facility or Direct Trunked Transport is described by two code sets, the Network Channel (NC) code and the Network Channel Interface (NCI) codes.

The Network Channel (NC) code consists of two elements. Element one is a Channel Service Code (character positions 1 and 2) that describes the channel service type in an abbreviated form. Element two is an Optional Feature Code (character positions 3 and 4) that identifies option codes available for each channel service code, such as C-conditioning or Improved Return Loss.

The Network Channel Interface (NCI) is used to identify interface specifications associated with a particular channel. This code describes the total wires, protocol, impedance, protocol options and transmission level point(s) reflecting physical and electrical characteristics between the Telephone Company and the customer.

On the following 3 pages are examples which explain the specific characters of the codes and which reference matrices and charts used in developing the codes. Included in the matrices are Service Designator (SD) codes which are used to identify variations of service within service types (e.g., TG1 = Telegraph). The SD and NC codes are displayed as components of the matrices designated as Technical Specifications packages in (A) through (G) following. Through the use of these matrices, SD codes may be converted to NC codes for service ordering purposes.

A chart is also provided in 14.2.2(A) following which contains information necessary to develop NCI codes.

## ACCESS SERVICE

14 Access Service Interfaces and Transmission Specifications (Cont.)14.2 Special Access Service

Example No. 2: If the customer wishes to order a FX circuit to a station, with 600 Ohms impedance, loop start signaling, which is 4-wire at the CDP and 2-wire at the end-user, the customer might specify:

NC	NCI	SECNCI
LG--	04LO2	02LS2

## NC Code:

LC = Voice Grade Channel Service, VG2  
-- = No Optional Features

## NCI Code:

04 = Number of physical wires at CDP  
LO = Loop start, loop signaling - open  
2 = 600 Ohms impedance

## SECNCI (Secondary NCI Code):

02 = Number of physical wires at CDP  
LS = Loop start signaling – closed end  
2 = 600 Ohms impedance

Example No. 3: If the customer wishes to order a 1.544 Mbps Hi-cap facility with no channel options, the customer might specify the following:

D

NC	NCI	SECNCI
HC--	04DS9-15	04DS9-15

## NC Code:

HC = High Capacity Channel Service, HC1  
-- = No Optional Features

## NCI, SECNCI Code:

04 = Number of physical wires at CDP  
DS = Digital Hierarchy interface  
9 = 100 Ohms impedance  
15 = 1.544 Mbps (DS1) format

The preceding three examples use information contained in Special Report SR-ISD-000307.

## ACCESS SERVICE

14 Access Service Interfaces and Transmission Specifications (Cont.)14.2 Special Access Service (Cont.)14.2.1 Network Channel (NC) Codes (Cont.)(E) Technical Specifications Packages High Capacity Service

<u>Parameter</u>	SD NC	<u>Package</u>					
		<u>HC0</u> <u>HS</u>	<u>HC1</u> <u>HC</u>	<u>HC1C</u> <u>HD</u>	<u>HC2</u> <u>HE</u>	<u>HC3</u> <u>HF</u>	<u>HC4</u> <u>HG</u>
Error-Free Seconds			X				
<u>Optional Features and Functions</u>							
Automatic Loop Transfer			X				

Clear Channel Capability

X

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

D  
|  
D

D

## ACCESS SERVICE

14 Access Service Interfaces and Transmission Specifications (Cont.)14.2 Special Access Service (Cont.)14.2.2 Network Channel Interface (NCI) Codes (Cont.)(A) Parameter Codes and Options (Cont.)

<u>Parameter</u>		<u>Definition</u>
<u>Code</u>	<u>Option</u>	
DD -		Dataphone Select-A-Station (and TABS) interface at customer's point of termination
DE -		Dataphone Select-A-Station (and TABS) interface at customer's end user's point of termination
DS -		Digital hierarchy interface
-	15	1.544 Mbps (DS1) format per PUB 62411 plus D4
-	15E	8-bit encoded in one 64 Kbps of the DS1 signal
-	15F	8-bit PCM encoded in two 64 Kbps of the DS1 signal
-	15G	8-bit PCM encoded in three 64 Kbps of the DS1 signal
-	15H	14/11-bit PCM encoded in six 64 Kbps of the DS1 signal
-	15J	1.544 Mbps format per PUB 62411
-	15K	1.544 Mbps format per PUB 62411 plus extended framing format
-	15L	1.544 Mbps (DS1) 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
DU -		Digital access interface
-	19	19.2 Kbps
-	24	2.4 Kbps
-	48	4.8 Kbps
-	56	56.0 Kbps
-	64	64.0 Kbps
-	96	9.6 Kbps
-	A	1.544 Mbps format per PUB 62411
-	B	1.544 Mbps format per PUB 62411 plus D4
-	C	1.544 Mbps format per PUB 62411 plus extended framing format
DX -		Duplex signaling interface at customer's point of terminations
DY -		Duplex signaling interface at customer's end user's point of termination

D  
D

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 16-1  
Cancels Original Page 16-1

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017



ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 16-2  
Cancels Original Page 16-2

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 16-3  
Cancels Original Page 16-3

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 16-4  
Cancels Original Page 16-4

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

## ACCESS SERVICE

16 Ethernet Transport Service (Cont.)16.4 Rate Regulations (Cont.)(A) Rate Categories (Cont.)(3) Optional Features and Functions (Cont.)

D

|

D

(B) Types of Rates and Charges

There are two types of rates and charges: monthly rates, and nonrecurring charges. These rates and charges are described below.

(1) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof when an ETS service element is provided. For billing purposes, each month is considered to have 30 days.

(2) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for ETS are installation of service, service rearrangements, and moves.

Except as specified below, these charges are in addition to the Access Order Charge as specified in Section 17.4.1, following.

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 16-6  
Cancels Original Page 16-6

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 16-7  
Cancels Original Page 16-7

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 16-8  
Cancels Original Page 16-8

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 16-9  
Cancels Original Page 16-9

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017



ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 16-10  
Cancels Original Page 16-10

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service17.3.1 Surcharge for Special Access ServiceTariff Ref.

Per Voice Grade Equivalent

7.3

ACS CompanyRate

ACS of Anchorage, LLC (Hope only) \$ 25.00

ACS of the Northland, LLC – Glacier State \$ 25.00

ACS of the Northland, LLC – Sitka/Bush \$ 25.00

D  
D  
C  
D  
T  
T17.3.2 Voice Grade Service(A) Non-Competitive End User Channel  
Termination per Termination

7.4

N  
N

- Two Wire

ACS CompanyMonthly RateNRC

ACS of Anchorage, LLC (Hope only) \$ 21.32 \$ 145.21

ACS of the Northland, LLC – Glacier State \$ 17.01 \$ 125.63

ACS of the Northland, LLC – Sitka/Bush \$ 22.30 \$ 164.71

D  
D  
C  
D  
R  
R

- Two Wire, Metallic

ACS CompanyMonthly RateNRC

ACS of Anchorage, LLC (Hope only) \$ n/a \$ n/a

ACS of the Northland, LLC – Glacier State \$ 10.12 \$ 125.63

ACS of the Northland, LLC – Sitka/Bush \$ 13.34 \$ 164.71

D  
D  
C  
D  
R  
T

- Four Wire

ACS CompanyMonthly RateNRC

ACS of Anchorage, LLC (Hope only) \$ 38.35 \$ 145.21

ACS of the Northland, LLC – Glacier State \$ 27.22 \$ 125.63

ACS of the Northland, LLC – Sitka/Bush \$ 35.68 \$ 164.71

D  
D  
C  
D  
R  
R

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.2 Voice Grade Service (Cont.)Tariff Ref.

D

D

(C) Optional Features and Functions

## 7.4.3

<u>ACS Company</u>		<u>Rate</u>	
- Two Wire Bridging, per Port			
ACS of Anchorage, LLC (Hope only)	\$	2.72	D
ACS of the Northland, LLC – Glacier State	\$	2.53	D
ACS of the Northland, LLC – Sitka/Bush	\$	3.31	C
- Four Wire Bridging, per Port			
<u>ACS Company</u>		<u>Rate</u>	
ACS of Anchorage, LLC (Hope only)	\$	4.61	D
ACS of the Northland, LLC – Glacier State	\$	2.53	D
ACS of the Northland, LLC – Sitka/Bush	\$	3.31	C

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.2 Voice Grade Service (Cont.)Tariff Ref.(C) Optional Features and Functions (Cont.)

7.4.3

## (2) Conditioning, per Termination

## - C-Type

<u>ACS Company</u>	<u>Rate</u>	
		D
		D
ACS of Anchorage, LLC (Hope only)	\$ 4.95	C
		D
ACS of the Northland, LLC – Glacier State	\$ 2.80	T
ACS of the Northland, LLC – Sitka/Bush	\$ 3.67	T

## - Data Capability

<u>ACS Company</u>	<u>Rate</u>	
		D
		D
ACS of Anchorage, LLC (Hope only)	\$ 4.95	C
		D
ACS of the Northland, LLC – Glacier State	\$ 1.92	T
ACS of the Northland, LLC – Sitka/Bush	\$ 2.52	T

## (3) Improved Return Loss for Effective Transmission

## - Two Wire

<u>ACS Company</u>	<u>Rate</u>	
		D
		D
ACS of Anchorage, LLC (Hope only)	\$ 4.95	C
		D
ACS of the Northland, LLC – Glacier State	\$ 4.98	T
ACS of the Northland, LLC – Sitka/Bush	\$ 6.53	T

## - Four Wire

<u>ACS Company</u>	<u>Rate</u>	
		D
		D
ACS of Anchorage, LLC (Hope only)	\$ 4.95	C
		D
ACS of the Northland, LLC – Glacier State	\$ 4.98	T
ACS of the Northland, LLC – Sitka/Bush	\$ 6.53	T

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.2 Voice Grade Service (Cont.)Tariff Ref.(C) Optional Features and Functions (Cont.)

7.4.3

## (4) Signaling Capability

## - Per Termination

<u>ACS Company</u>	<u>Rate</u>	
		D
		D
ACS of Anchorage, LLC (Hope only)	\$ 16.68	C
		D
ACS of the Northland, LLC – Glacier State	\$ 5.04	T
ACS of the Northland, LLC – Sitka/Bush	\$ 6.61	T

## (5) Customer-Specified Receive Level

## - Two Wire Termination

<u>ACS Company</u>	<u>Rate</u>	
		D
		D
ACS of Anchorage, LLC (Hope only)	\$ n/a	C
		D
ACS of the Northland, LLC – Glacier State	\$ 3.42	T
ACS of the Northland, LLC – Sitka/Bush	\$ 4.49	T

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.3 Program Audio Service(A) Non-Competitive End User Channel  
Termination, per Termination

7.5

N  
N

<u>ACS Company</u>		<u>Monthly Rate</u>		<u>NRC</u>	
-		200 to 3500 Hz			
ACS of Anchorage, LLC (Hope only)		\$ 18.54	\$	273.66	
ACS of the Northland, LLC – Glacier State		\$ 18.12	\$	125.63	
ACS of the Northland, LLC – Sitka/Bush		\$ 23.64	\$	164.71	

D  
D  
C  
D  
T  
R

<u>ACS Company</u>		<u>Monthly Rate</u>		<u>NRC</u>	
-		100 to 5000 Hz			
ACS of Anchorage, LLC (Hope only)		\$ 27.00	\$	273.66	
ACS of the Northland, LLC – Glacier State		\$ 31.54	\$	125.63	
ACS of the Northland, LLC – Sitka/Bush		\$ 41.36	\$	164.71	

D  
D  
C  
D  
T  
T

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.3 Program Audio Service (Cont.)Tariff Ref.(A) Non-Competitive End User Channel  
Termination, per Termination (Cont.)

7.5

N  
N

- 50 to 8000 Hz

ACS CompanyMonthly RateNRC

ACS of Anchorage, LLC (Hope only)

\$ 27.00

\$ 273.66

ACS of the Northland, LLC – Glacier State

\$ 31.54

\$ 125.63

ACS of the Northland, LLC – Sitka/Bush

\$ 41.36

\$ 164.71

D  
D  
C  
D  
T  
T

- 50 to 15000 Hz

ACS CompanyMonthly RateNRC

ACS of Anchorage, LLC (Hope only)

\$ 27.00

\$ 273.66

ACS of the Northland, LLC – Glacier State

\$ 31.40

\$ 125.63

ACS of the Northland, LLC – Sitka/Bush

\$ 41.36

\$ 164.71

D  
D  
C  
D  
R  
T

D

D

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-23  
Cancels Original Page 17-23

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017



ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-24  
Cancels Original Page 17-24

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)

17.3.4 <u>Video Service</u>		<u>Tariff Ref.</u>	
(A) <u>Non-Competitive End User Channel Termination, per Termination</u>		7.6	N N
- Video – Simplex or Duplexed			
<u>ACS Company</u>	<u>Monthly Rate</u>	<u>NRC</u>	
ACS of Anchorage, LLC (Hope only)	\$ 102.84	\$ 534.06	D D C D T T
ACS of the Northland, LLC – Glacier State	\$ 187.14	\$ 146.11	
ACS of the Northland, LLC – Sitka/Bush	\$ 245.38	\$ 191.57	

D  
|  
D

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.5 Digital Data ServiceTariff Ref.(A) Non-Competitive End User Channel  
Termination, per Termination

7.7

<u>ACS Company</u>		<u>Monthly Rate</u>	<u>NRC</u>	
- 2.4 Kbps				
ACS of Anchorage, LLC (Hope only)		\$ 48.34	\$ 203.85	D
ACS of the Northland, LLC – Glacier State		\$ 31.54	\$ 136.45	D
ACS of the Northland, LLC – Sitka/Bush		\$ 41.35	\$ 178.90	C
- 4.8 Kbps				D
ACS of Anchorage, LLC (Hope only)		\$ 48.34	\$ 203.85	D
ACS of the Northland, LLC – Glacier State		\$ 31.54	\$ 136.45	C
ACS of the Northland, LLC – Sitka/Bush		\$ 41.35	\$ 178.90	D
- 9.6 Kbps				T
ACS of Anchorage, LLC (Hope only)		\$ 48.34	\$ 203.85	R
ACS of the Northland, LLC – Glacier State		\$ 31.40	\$ 136.45	T
ACS of the Northland, LLC – Sitka/Bush		\$ 41.35	\$ 178.90	
- 19.2 Kbps				
ACS of Anchorage, LLC (Hope only)		\$ 48.34	\$ 203.85	D
ACS of the Northland, LLC – Glacier State		\$ 31.54	\$ 136.45	D
ACS of the Northland, LLC – Sitka/Bush		\$ 41.35	\$ 178.90	C

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.5 Digital Data ServiceTariff Ref.(A) Non-Competitive End User Channel  
Termination, per Termination (Cont.)

7.7

N  
N

<u>ACS Company</u>		<u>Monthly Rate</u>		<u>NRC</u>	
-		56.0 Kbps			
ACS of Anchorage, LLC (Hope only)		\$ 48.34	\$ 203.85		D D C D
ACS of the Northland, LLC – Glacier State		\$ 31.40	\$ 136.45		R
ACS of the Northland, LLC – Sitka/Bush		\$ 41.16	\$ 178.90		R
-		64.0 Kbps			
<u>ACS Company</u>		<u>Monthly Rate</u>		<u>NRC</u>	
ACS of Anchorage, LLC (Hope only)		\$ 48.34	\$ 203.85		D D C D
ACS of the Northland, LLC – Glacier State		\$ 31.40	\$ 136.45		R
ACS of the Northland, LLC – Sitka/Bush		\$ 41.16	\$ 178.90		R

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-28  
Cancels Original Page 17-28

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-29  
Cancels Original Page 17-29

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-30  
Cancels Original Page 17-30

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.5 Digital Data Service (Cont.)Tariff Ref.

## (C) Optional Features and Functions

## (1) Bridging per Port

7.7.3

ACS CompanyRate

ACS of Anchorage, LLC (Hope only)

\$ 5.02

ACS of the Northland, LLC – Glacier State

\$ 3.06

ACS of the Northland, LLC – Sitka/Bush

\$ 4.01

D  
D  
C  
D  
T  
T



## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.6 High Capacity ServiceTariff Ref.(A) Non-Competitive End User Channel  
Termination, per Termination

7.8

N  
N

- DS1 (1.544 Mbps)

ACS CompanyMonthly RateNRC

ACS of Anchorage, LLC (Hope only)

\$ 102.38

\$ 330.91

D  
D  
R  
D

ACS of the Northland, LLC – Glacier State

\$ 94.21

\$ 146.11

R

ACS of the Northland, LLC. – Sitka/Bush

\$ 115.78

\$ 191.57

R

D

D

- Facility of Three DS3 (44.736 Mbps)

ACS CompanyMonthly RateNRC

ACS of Anchorage, LLC (Hope only)

\$ 905.61

\$ n/a

D  
D  
C  
D

ACS of the Northland, LLC – Glacier State

\$ n/a

\$ n/a

T

ACS of the Northland, LLC – Sitka/Bush

\$ n/a

\$ n/a

T

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.6 High Capacity Service (Cont.)Tariff Ref.(A) Channel Termination, per Termination  
(Cont.)

7.8

- Channel Interface Connection per DS3  
Channel InstalledACS CompanyMonthly RateNRC

ACS of Anchorage, LLC (Hope only)

\$ 1,515.17

\$ 660.41

ACS of the Northland, LLC – Glacier State

\$ 830.47

\$ 170.85

ACS of the Northland, LLC – Sitka/Bush

\$ 1,065.75

\$ 224.01

D  
D  
C  
D  
R  
R

D

D

ACS COMPANIES

TARIFF F.C.C. NO. 1  
Fifth Revised Page 17-34  
Cancels Fourth Revised Page 17-34

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
Fifth Revised Page 17-35  
Cancels Fourth Revised Page 17-35

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
Fifth Revised Page 17-36  
Cancels Fourth Revised Page 17-36

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-37  
Cancels Original Page 17-37

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-38  
Cancels Original Page 17-38

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.3 Special Access Service (Cont.)17.3.6 High Capacity Service (Cont.)Tariff Ref.

## (C) Optional Features and Functions (Cont.)

D

D

## (2) Automatic Loop Transfer, per Arrangement\*

<u>ACS Company</u>	<u>Rate</u>	
ACS of Anchorage, LLC (Hope only)	\$ 21.85	D
ACS of the Northland, LLC – Glacier State	\$ 61.49	D
ACS of the Northland, LLC – Sitka/Bush	\$ 80.62	C
		D
		T
		T

\* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.



17 Rates and Charges (Cont.)

### 17.3.6 High Capacity Service (Cont.)

(D) Clear Channel Capability, per 1.544 Mbps  
Transmission Path

<u>ACS Company</u>	<u>Rate</u>	
ACS of Anchorage, LLC (Hope only)	\$ None	D D C D
ACS of the Northland, LLC – Glacier State	\$ n/a	T
ACS of the Northland, LLC – Sitka/Bush	\$ n/a	T

D

D

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-41  
Cancels Original Page 17-41

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-42  
Cancels Original Page 17-42

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-43  
Cancels Original Page 17-43

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-44  
Cancels Original Page 17-44

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-45  
Cancels Original Page 17-45

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-46  
Cancels Original Page 17-46

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-47  
Cancels Original Page 17-47

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017



ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-48  
Cancels Original Page 17-48

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-49  
Cancels Original Page 17-49

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

## ACCESS SERVICE

17 Rates and Charges (Cont.)17.4 Other Services (Cont.)17.4.5 Special Federal Government Access Services(A) Voice Grade Secure Communications

ICB rates and charges shall apply to the following communication types:

- Type I, each, T-3 Conditioning
- Type II, each, G-1 Conditioning
- Type III, each, G-2 Conditioning
- Type IV, each, G-3 Conditioning
- Additional Conditioning, per service termination

D  
|  
D

(C) Diversity and Avoidance Combined

ICB rates and charges shall apply for each service in accordance with 11.1.1 and 11.1.2, combined.

(D) Cable-Only Facilities

ICB rates and charges shall apply for each service in accordance with 11.1.4.

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-68.1  
Cancels Original Page 17-68.1

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-68.2  
Cancels Original Page 17-68.2

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-68.3  
Cancels Original Page 17-68.3

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-68.4  
Cancels Original Page 17-68.4

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-68.5  
Cancels Original Page 17-68.5

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017



ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-68.6  
Cancels Original Page 17-68.6

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017

ACS COMPANIES

TARIFF F.C.C. NO. 1  
First Revised Page 17-68.7  
Cancels Original Page 17-68.7

ACCESS SERVICE

D

D

---

Issued: November 16, 2017

600 Telephone Avenue  
Anchorage, AK 99503

Effective: December 1, 2017