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6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

normally provide dial tone to the telephone company point of interconnection with the non telephone company provider of centralized Equal Access specified in the tariff of the centralized Equal Access provider. Those Telephone Company offices providing equal access through centralized arrangements are identified in NECA Tariff FCC No. 4.

Local Transport is provided at the rates and charges set forth in 17.2.2 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.4.1(C) following. When more than one Telephone Company is involved in providing the Switched Access Service, the Local Transport rates are applied as set forth in 2.4.7 preceding. (N)

The Local Transport Rate Category includes five classifications of rate elements: (1) Entrance Facility, (2) Direct Trunked Transport, (3) Tandem Switched Transport, (4) Transport Interconnection Charge, and (5) Multiplexing.

(1) Entrance Facility

The Entrance Facility recovers a portion of the costs associated with a communications path between a customer-designated premises and the serving wire center of that premises. Included as part of the Entrance Facility 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 customer designated premises and the type of signaling capability, if any.

The following types of Entrance Facility are available:

- Voice Grade 2 or 4 wire. An analog channel with an approximate bandwidth of 300 to 3000 Hz;

- High Capacity DS1. An isochronous serial digital channel with a rate of 1.544 Mbps;

- High Capacity DS3. An isochronous serial digital channel with a rate of 44.736 Mbps. (N)

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6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(1) Entrance Facility (Cont'd) (N)

The minimum period for which a High Capacity DS3 or Synchronous Optical Channel Entrance Facility is provided is twelve months.

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge specified in 17.2.2 following will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

A customer's Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a Letter of Authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge specified in 17.2.2 following will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

A customer's Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a Letter of Authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

(2) Direct Trunked Transport

The Direct Trunked Transport rate elements recover a portion of the cost associated with a communications path or circuits dedicated to the use of a single customer between:

- the serving wire center and an end office,
- the service wire center and a tandem,
- the serving wire center and a hub,
- a hub and an end office,
- the serving wire center and an ADM equipped wire center where add/drop multiplexing functions are performed,
- an ADM equipped wire center and an end office. (N)

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6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(2) Direct Trunked Transport (Cont'd) (N)

Direct Trunked Transport is available at all tandems and to all end offices except those end offices identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION as not having the capability to provide Direct Trunked Transport. |

Direct Trunked Transport is not available: (1) from end offices that provide equal access through a Centralized Equal Access arrangement, or (2) from end offices that lack recording or measurement capability. |

Normally, Direct Trunked Transport of originating 800 series calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain SSP equipped end offices cannot accommodate the direct trunking of the 800 series (other than the 800 service access code) service access code. These end offices are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. NO. 4. Additionally, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series calls. These end offices are also identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. No. 4. |

The following types of Entrance Facility are available: |

- Voice Grade 2 or 4 wire. An analog channel with an approximate bandwidth of 300 to 3000 Hz; |

- High Capacity DS1. An isochronous serial digital channel with a rate of 1.544 Mbps; |

- High Capacity DS3. An isochronous serial digital channel with a rate of 44.736 Mbps. (N)

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6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(2) Direct Trunked Transport (Cont'd) (N)

High Capacity DS3 Direct Trunked Transport cannot be terminated at end offices that are not identified as hub offices that provide DS3 to DS1 multiplexing. |

Additionally, DS1 Direct Trunked Transport cannot be terminated at end offices that are not identified as hub offices that provide DS1 to Voice Grade multiplexing or are not electronic end offices. |

Offices that provide multiplexing and add/drop multiplexing functions are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION. |

Direct Trunked Transport rates consist of a Direct Trunked Facility rate specified in 17.2.2 following which is applied on a per mile basis and a Direct Trunked Termination rate which is applied at each end of each measured segment of the Direct Trunked Facility (e.g., at the end office, tandem, hub, ADM equipped wire center, and serving wire center). When the Direct Trunked Facility mileage is zero, neither the Direct Trunked Facility rate nor the Direct Trunked Termination rate will apply. |

The Direct Trunked Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits. |

The Direct Trunked Termination rate specified in 17.2.2 following recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Direct Trunked Facility. |

The minimum period for which High Capacity DS3 Direct Trunked Transport is provided is twelve months. | (N)

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6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(3) Tandem Switched Transport (N)

The Tandem Switched Transport rate elements recover a portion of the costs associated with a communications path between a tandem and an end office on circuits that are switched at a tandem switch.

Tandem Switched Transport rates consist of a Tandem Switching rate, a Tandem Switched Facility rate, and a Tandem Switched Termination rate.

In those instances where an SSP equipped end office is capable of handling 800 traffic on a direct trunked basis but incapable of handling 800 series (other than the 800 service access code) traffic on a direct trunked basis, a full credit will be provided for tandem switched transport charges associated with FGC and FGD service for 888 traffic delivered at the tandem. This results in all 800 series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling 800 series (other than the 800 service access code) traffic on a direct trunked basis. Those SSP equipped end offices that cannot accommodate direct trunking of originating 800 series (other than the 800 service access code) traffic are identified in NECA TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION.

(a) The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate specified in 17.2.2 following is applied on a per access minute per tandem basis for all originating and all terminating minutes of use switched at the tandem. Tandem locations are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION.

(b) The Tandem Switched Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of interoffice circuits. The Tandem Switched Facility rate specified in 17.2.2 following is applied on a per access minute per mile basis for all originating and terminating minutes of use routed over the facility. (N)

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6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(3) Tandem Switched Transport (N)

(c) The Tandem Switched Termination rate recovers a portion of the costs of circuit equipment necessary for the termination of each end of each measured segment of the Tandem Switched Facility. The Tandem Switched Termination rate specified in 17.2.2 following is applied on a per access minute basis (for all originating and terminating minutes of use routed over the facility) at each end of each measured segment of Tandem Switched Facility (e.g., at the end office, Feature Group A dial tone office, host office and the access tandem). When the Tandem Switched Facility mileage is zero, neither the Tandem Switched Facility rate nor the Tandem Switched Termination rate will apply.

(4) Multiplexing

Multiplexing provides an arrangement for converting a single, higher capacity or bandwidth circuit to several lower capacity or bandwidth circuits.

When a derived channel is itself multiplexed to derive additional channels with a lesser capacity, this is referred to as cascade multiplexing. When cascade multiplexing occurs, a charge for the additional multiplexing function applies. When cascade multiplexing is performed at different hubbing locations, Direct Trunked Transport charges also apply between the hubs.

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

The following multiplexing arrangements are offered for use with Switched Access Service.

(a) DS3 to DS1 Multiplexing charges specified in 17.2.2 following 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. (N)

ACCESS TARIFF

6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(4) Multiplexing (N)

(b) DS1 to Voice Grade Multiplexing charges following specified in 17.2.2 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 channels are not derived). The DS1 to Voice Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels. |

(5) Add/Drop Multiplexing |

Add/Drop Multiplexing provides a type of multiplexing function that allows lower signals to be added or dropped from a high speed carrier channel within a Telephone Company wire center. |

The Add/Drop Multiplexing Central Office Port charge specified in 17.2.2 applies to the interface provided at a Telephone Company wire center for the purpose of adding or dropping lower capacity services from Direct Trunked Transport. Central Office Ports are available at the following speeds: |

Central Office Port	Speed	
DS3	44.736 Mbps	
DS1	1.544 Mbps	

When a DS1 channel is further de-multiplexed to a lower level signal, a DS1 to Voice Grade Multiplexing charge will also apply. |

Add/Drop Multiplexing is only available at wire centers identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF NO. 4, WIRE CENTER INFORMATION. (N)

ACCESS TARIFF

6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(6) Customer Node (N)

A Customer Node charge specified in 17.2.2 applies when the Telephone Company provides terminal equipment at the customer designated premises. Each Customer Node must be configured with one or more Customer Premises Ports. |

Customer Premises Port charges specified in 17.2.2 apply in conjunction with the Customer Node charge. Each Customer Premises Port provides the interface to derive a lower capacity service at the customer premises. The type and quantity of ports is determined by the customer and is based on the type of Customer Node selected and the number of DS1 and/or DS3 channels ordered. Customer Premises Ports are available at the following speeds: |

Central Office Port	Speed	
DS3	44.736 Mbps	
DS1	1.544 Mbps	

(7) 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 15.1 following. (N)

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6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(8) Nonchargeable Optional Features (N)

Where transmission facilities permit, the individual transmission path between the customer's designated premises and the first point of switching, may at the option of the customer, be provided with the following optional features as set forth and described in 15.1.1(E) following:

- Supervisory Signaling
- Customer Specified Entry Switch Receive Level
- Customer Specification of Local Transport Termination
- 64 Clear Channel Capability

When a customer subscribes to Common Channel Signaling (SS7) Network Connection Service (CCSNC Service), the following optional features are made available and are described in 6.9.1 following.

- Signaling System 7 (SS7) Signaling
- Calling Party Number
- Carrier Selection Parameter
- Charge Number Parameter
- Carrier Identification Parameter

(9) Chargeable Optional Features

Common Channel Signaling, Signaling System 7 (CCS/SS7) Network Connection (CCSNC) Service provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Telephone Company's Signaling Transfer Point (STP). CCSNC is provided as set forth in 6.9.3 following.

800 Data Base Access Service is provided to all customers in conjunction with FGC and FGD switched access service. A Basic or Vertical Feature Query charge, as set forth in 17.2.2 (B) the actual call is delivered to the customer. The query is considered completed when the appropriate call routing information is returned to the Service Switching Point (SSP) that launched the query. (N)

ACCESS TARIFF

6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(9) Chargeable Optional Features (Cont'd) (N)

The Basis Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of 800 series calls by telephone companies to different interexchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Vertical Feature Query provides this same customer identification function in addition to vertical features which may include: (1) call validation (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 series number (which is generally necessary for the routing of 800 series calls); (3) alternate POTS translation (which allows subscribers to vary the routing of 800 series call based on factors such as time of day, place of origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3)).

(B) End Office

The End Office rate category establishes the charges related to the local end office switching and End User termination functions necessary to complete the transmission of Switched Access communications to and from the End Users served by the local end office. The End Office rate category includes the Information Surcharge and Local Switching rate elements. (N)

ACCESS TARIFF

6. Switched Access Service (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

The Intercept function provides for the termination of a call at a Telephone Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

(2) Information Surcharge (N)

The Information Surcharge rates are assessed to a customer based on the total number of access minutes. Information Surcharge rates are as set forth in 17.2.3(C) following. The application of these rates with respect to individual Feature Groups is as set forth in 6.4.1(C) following. The Information Surcharge does not apply to Feature Groups B and D Switched Access Services associated with Wireless Switching Centers (WSCs) directly interconnected to a Telephone Company access tandem office. |

(3) Transitional End Office Access Service |

The Transitional End Office Access Service rate is established pursuant to 47 C.F.R. §51.909(b)(2)(v) which provides that Rate of Return carriers may apply interstate access rate structure and interstate rates to Transitional Intrastate Access Service. The Transitional End Office Access Service rate is assessed on all terminating intrastate minutes as set forth in 17.2.3(B) following. (N)

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17. Rates and Charges

17.1 Common Line Access Service — Rate

17.1.1 Carrier Common Line Access Service

Regulations concerning Carrier Common Line Access are set forth in Section 3, Preceding.

- Originating Per Access Minute	$0.010000	(C)
- Terminating Per Access Minute	$0.000000	(N)

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17. Rates and Charges (Cont'd)

17.2 Switched Access Service

17.2.1 Nonrecurring Charges

	Rate	Tariff Section Reference	
(A) Local Transport – Installation Per Line or Trunk	$220.00	6.4.1 (B) (1)	
17.2.2 Local Transport			
(A) Tandem Switching	n/a	6.1.3 (A)	(N)
(B) Tandem Switched Termination			
- Per Originating Minute of Use	$0.013600	6.1.3 (A)	(C)
- Per Terminating Minute of Use	$0.002090	6.1.3 (A)	(N)
(C) Tandem Switched Facility, Per Mile			
- Per Originating Minute of Use	$0.000348	6.1.3 (A)	(C)
- Per Terminating Minute of Use	$0.000402	6.1.3 (A)	(N)
(D) Entrance Facility, Per Termination			
- Voice Grade 2-Wire	$43.95	6.1.3 (A)	(N)
- Voice Grade 4-Wire	$70.33	6.1.3 (A)	(N)
- High Capacity – DS1	$214.27	6.1.3 (A)	(N)
- High Capacity – DS3	$1,956.44	6.1.3 (A)	(N)
(E) Direct Trunked Transport Facility (Per Mile)			
- Voice Grade 2-Wire	$3.13	6.1.3 (A)	(N)
- Voice Grade 4-Wire	$3.13	6.1.3 (A)	(N)
- High Capacity – DS1	$14.68	6.1.3 (A)	(N)
- High Capacity – DS3	$127.88	6.1.3 (A)	(N)
(F) Direct Trunked Transport Termination (Per Termination)			
- Voice Grade 2-Wire	$31.46	6.1.3 (A)	(N)
- Voice Grade 4-Wire	$31.46	6.1.3 (A)	(N)
- High Capacity – DS1	$76.17	6.1.3 (A)	(N)
- High Capacity – DS3	$489.10	6.1.3 (A)	(N)

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17. Rates and Charges (Cont'd)

17.2 Switched Access Service

17.2.2 Local Transport (Cont'd)

	Rate	Tariff Section Reference	
(G) Multiplexing, Per Arrangement			
-DS3 to DS1	$446.25	6.1.3(A)	(N)
-DS1 to Voice	$172.29	6.1.3(A)	(N)
(H) Add/Drop Multiplexing, Central Office Port, Per Port			
-DS3	$93.58	6.1.3(A)	(N)
-DS1	$37.43	6.1.3(A)	(N)
(I) Customer Premises Port, Per Port			
-DS3	$182.50	6.1.3(A)	(N)
-DS1	$ 46.78	6.1.3(A)	(N)
Nonrecurring Charge (DS3 or DS1)	$640.00		(N)
(J) Customer Node, Per Node			
-OC3	$463.24	6.1.3(A)	(N)
-OC12	$1,338.27	6.1.3(A)	(N)
Nonrecurring Charge (DS3 or DS1)	$640.00		(N)
(K) 800 Data Base Access Query, Per Query			
-Basic	$0.0053	6.1.3(A)	(N)
-Vertical Feature	$0.0059	6.1.3(A)	(N)
(L) Network Blocking, Per FGD Blocked Call	$0.0359	6.8.6	(C)

17.3 Local Switching

(A) Local Switching			
-Per Originating Minute of Use	$0.042000	6.1.3 (A)	(C)
-Per Terminating Minute of Use	$0.044902	6.1.3 (A)	(N)
(B) Transitional End Office Access Service			
-Per Terminating Minute of Use	$0.023082	6.1.3 (A)	(N)
(C) Information Surcharge			
-Per 100 Terminating Minute of Use	$0.049400	6.1.3 (A)	(N)