

---

## 5. DIRECT (DEDICATED) SERVICE

### 5.1 General

The various types of Company service offerings are described below. Company services are billed at predetermined monthly rates. Recurring charges are billed in advance of the month in which service is performed. In addition, the optional features and any extraordinary installation costs other than recurring and non-recurring charges may apply as described herein. Customers requesting these services may subscribe to services on a month-to-month basis, or for term discount plans of 1 to 5 years. Customers subscribing to a term discount plan may receive a discount on charges for these arrangements. Agreements for services in excess of 5 years will be negotiated on an ICB.

### 5.2 SERVICE CONFIGURATIONS

There are two types of service configurations over which Company's services are provided: point-to-point service and multipoint service.

#### 5.2.1 Point-To-Point Service

Point-To-Point Service connects two Customer-designated premises, either on a directly connected basis, or through a hub where multiplexing functions are performed.

#### 5.2.2 Multipoint Service

Multipoint Services connect three or more Customer designated premises through a Company hub. There is no limitation on the number of locations connected via multipoint service. However, when more than three points are provided in tandem, the quality of service may be degraded. Multipoint service may be provided where technically possible. If 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 within 60 days.

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.3 SERVICE DESCRIPTIONS AND TECHNICAL SPECIFICATIONS

The following service descriptions and technical specifications will apply to Company's services. When references to Bellcore Technical Publications on file with the FCC are made for performance criteria, the criteria will be considered objectives for Company's performance. In no case should the reference to these Bellcore standards be construed as creating any warranties on the part of Company. Technical publications are available for review by the Customer upon request.

5.3.1 Voice Grade Service (DS-0)

A Voice Grade Facility is a channel which provides voice frequency transmission capability in the normal frequency range of 300 to 3000 HZ and may be terminated as analog two-wire or four-wire, or where facilities permit, as a four-wire in a digital format when used in conjunction with another Voice Grade Facility termination at the other end. Voice Grade Facilities are provided between Customer designated locations or between a Customer designated location and a Company's hub.

Transmission specifications are defined in Bellcore Technical Reference TR-TSY-000335, issue 2 and PUB 41004, Table 4 and those publications referenced therein for Voice Grade frequency (300-3000hertz Voice Grade Transmission).

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.3 SERVICE DESCRIPTIONS AND TECHNICAL SPECIFICATIONS (Cont'd)

5.3.2 Digital Data Service (DDS)

A Digital Data Channel is a channel for duplex four-wire transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps. The actual bit rate is a function of the channel interface selected by the Customer. The channel provides synchronous service with timing provided by Company, through Company facilities to the Customer in the received bit stream. Digital Data channels are provided only between Customer designated locations and/or between Customer designated locations and a Company's hub.

5.3.3 DS-1 Service

DS-1 Service, or Digital Signal Level 1 Service, is a channel for the transmission of 1.5644 Mbps data. The actual bit rate and framing format is a function of the channel interface selected by the Customer. DS-1 Channels are provided between Customer designated locations and between Customer designated locations and a Company's hub.

Technical standards are defined in Bellcore Technical Reference TR-NPL-000054, TR-TSY-000342, TR-TSY-000194, and PUB 62508, PUB 62411, PUB 62411A.

5.3.4 Type I Channels

Type I digital channels are provided where both endpoints of a channel are service by the Company's network. Rates for Type I Channels are provided in Section 7 of this tariff.

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.3 SERVICE DESCRIPTIONS AND TECHNICAL SPECIFICATIONS (Cont'd)

5.3.5 Type II Channels

Type II digital channels are provided where at least one endpoint of a channel is served by the network of an entity with whom the company's network is interconnected; such channels are provided via a combination of the Company's facilities and the facilities of the interconnected entity. Rates for the portions of the service provided over the company's facilities are based on the rates for the corresponding Type I Channel rates. Rates for the portion of the service provided over the facilities of the interconnected entity are based on the rates charged the Company by the interconnected entity. The Company may apply a service charge or mark-up to the rates charged the Company by the interconnected entity.

5.3.6 DS-3 Service

DS-3 Service, or Digital Signal Level 3 Service, is a channel for the transmission of 44.736 Mbps data. The actual bit rate and framing format is a function of the channel interface selected by the Customer. DS-3 Channels are provided between Customer designated locations and/or between Customer designated locations and a Company's hub. DS-3 service is provided with an electrical optical interface at the Customer's premises. Services with this option will terminate in Company's Optical Line Termination Equipment (OLTE) located in Company's hub. The OLTE located at the Customer's premises is subject to the mutual agreement of the parties, and must be compatible with the OLTE located in Company's hub. The optical interface option is available only where facilities permit, and is offered on an Individual Case Basis (ICB).

Technical standards are defined in Bellcore Technical Reference TR-NPL-000054, TR-TSY-000342, TR-TSY-000194, and PUB 62508, PUB 62411, PUB 62411A.

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.3 SERVICE DESCRIPTIONS AND TECHNICAL SPECIFICATIONS (Cont'd)

5.3.7 DS-3 Packaging

DS-3 services may be ordered in multiples as specified in the Dedicated Services Rates and Charges Section. These services are offered in the same configuration as DS-3 service (i.e. either electrical or optical interface), and with the same technical specifications.

5.3.8 Fractional DS-1 Service

Fractional DS-1 service consists of 2 to 24 DS-0 or DDS channels between two Customer designated locations, utilizing DS-1 level facilities, and multiplexing arrangements.

5.3.9 Multiplexing Services

Multiplexing is provided in the following configurations:

M13 Multiplexing (ICB)

An arrangement that converts a 44.736 Mbps channel into 28 DS-1 channels using digital time division multiplexing.

DS-1 to DS-0 Multiplexing

An arrangement that converts a 1.544 Mbps channel into 24 channels for use with Voice Grade Facilities or DDS.

5.3.10 Customer Provided Equipment

Customer provided terminating equipment such as CSUs, multiplexers, and other terminating equipment may, at the Customer's request, be provided by the Customer, at the Customer's expense. Company makes no guarantees or warranties as to the performance of Customer provided equipment.

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.4 RATE CATEGORIES

There are seven rate categories that may apply to Company's Services.

5.4.1 Channel Terminations (CT) / Local Distribution Channel (LDC)

The Channel Termination Rate Category provides for the communications path between a Customer designated premises, and another Customer designated premise. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the Company's service is to be connected, and the type of signaling capability (if any). One channel Termination charge applies per Customer designated premises at which the service is terminated.

5.4.2 Channel Mileage Termination (CMT) - Fixed

This rate element applies per termination whenever there is a mileage associated with the channel; a channel has mileage associated with it when the endpoints are located in geographic areas normally served out of separate Telephone Company end offices. Different charges may apply depending on whether the connection is a Type 1 (on-Net) or Type II (off-Net) connection.

5.4.3 Channel Mileage (CM) - Per Mile

This rate element applies whenever there is mileage associated with the channel. The unit rate is multiplied by the number of miles (Interoffice Mileage) between the two Telephone end offices which normally serve the geographic areas in which the endpoints of the channel are located. Interoffice Mileage is determined according to the V&H coordinates method set forth in Section 2.10.2. Fractions of a mile are rounded up to the next whole mile before rates are applied. Different charges may apply depending on whether the connection is a Type 1 (on-Net) or Type II (off-net) connection.

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.4 RATE CATEGORIES (Cont'd)

5.4.4 Optional Features and Functions

The Optional Features and Functions Rate category provides for the optional services which may be added to a Company's service to improve its quality or characteristics to meet specific communications requirements. These services 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 derived using various combinations of equipment.

5.4.5 Extraordinary Charges

From time to time, customers may request special services not addressed specifically by rate elements in this tariff, or services to locations that may cause Company to incur extraordinary expenses not contemplated in the provision of standard service offerings. These costs include, but are not limited to:

- Additional construction costs
- Building space rental or rights-of-way costs
- Additional equipment
- Special facilities routing

In these cases, the Customer will be billed additional charges computed on an ICB. Special services not addressed in this tariff shall be approved by the FCC prior to the provision of such service.

5.4.6 Volume Discounts

Discounts for specified dollar volumes of traffic to a specific location or aggregate dollar volumes may apply, as specified in this tariff, to customers that subscribe to substantial volumes of Company's services.

5.4.7 Term Discounts

Customers will be eligible for discounts for executing agreements for services for 1 to 5 years, as specified in this tariff.

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.5 APPLICATION OF RATE ELEMENTS

The rate elements described in F1 of this tariff will be applied as follows:

5.5.1 Point-To-Point Services

- Channel Terminations (when applicable)
- Channel Mileage (when applicable)
- Optional Features and Functions (when applicable)
- Extraordinary Charges (when applicable)
- Volume Discounts (when applicable)
- Term Discounts (when applicable)

5.5.2 Multipoint Services

- Channel Terminations (one per designated Customer location)
- Channel Mileage (when applicable)
- Optional Features and Functions (when applicable)
- Extraordinary Charges (when applicable)
- Volume Discounts (when applicable)
- Term Discounts (when applicable)

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.6 REGULATIONS AND COMPUTATIONS OF MILEAGE

- 5.6.1 Calls originating in one time period and terminating in another will be billed in proportion to the rates in effect during different segments of the call.
- 5.6.2 All times refer to local time.
- 5.6.3 All inter-city services are rated according to the mileage between the Company's Point of Presence in each city.
- 5.6.4 Airline mileage, used in connection with determining rates for intercity portions of services and facilities, is obtained by using the "V" and "H" coordinates assigned to each point as set forth in (e) below. This procedure is referenced in the AT&T General0. To determine the airlines distance between any two locations, proceed as follows:
- A) Utilize the "V" and "H" coordinates for each Customer designated location.
  - B) Obtain the difference between the "V" coordinates of each of the locations. Obtain the difference between the "H" coordinates.
  - C) Square each difference obtained in step (ii) above.
  - D) Add the square of the "V" difference and the "H" difference obtained in step (iii) above.
  - E) Divide the sum of the square by 10. round to the next higher whole number if any fraction is obtained.
  - F) Obtain the square root of the whole number result obtained above. Round to the next higher whole number if any fraction is obtained. This is the airline mileage.

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.7 CONTRACTS RATES - SPECIAL PRICING ARRANGEMENTS - ICB

- 5.7.1 In lieu of the rates otherwise set forth in this tariff, rates and charges, including minimum usage, installation, special construction and recurring charges for Company's services may be established at negotiated rates on an ICB, taking into account the nature of the facilities and services, the costs of construction and operation, the volume of traffic, the length of service commitment by the Customer, and use of facilities by other customers. Such arrangements shall be considered Special Pricing Arrangements, the terms of which will be set forth in individual Customer contracts. However, unless otherwise specified, the terms, conditions, obligation and regulation set forth in this tariff shall be incorporated into, and become a part of, said contract, and shall be binding on Company and Customer. Specialized rates or charges will be made available to similarly situated customers on a non-discriminatory basis.
- 5.7.2 In addition to any rate or charge established by the Company, the Customer will also be responsible for any recurring or non-recurring charges imposed by local exchange telephone companies incurred by or on behalf of the Customer in establishing and maintaining service. Such charges may be billed by the Company or directly by the local exchange company, at the Company's option.

---

5. DIRECT (DEDICATED) SERVICE (Cont'd)

5.8 BACK BILLING

Company shall be entitled to revise bills previously rendered to adjust for previously rendered unbilled service, or adjust upward a bill previously rendered, assuming that the customer was aware of the unbilled services during the period the services were unbilled, for a period of six years after the service was rendered.

5.9 TAXES

5.9.1 Sales, Use and Excise Taxes

In addition to all recurring, non-recurring, usage or special charges, Customer shall also be responsible for and shall pay all applicable federal, state and local sales, use and excise taxes.

5.10 TEMPORARY PROMOTIONAL PROGRAMS

The Company may establish temporary promotional programs, wherein it may waive or reduce recurring or non-recurring charges, to introduce a present or potential Customer to a service not previously received by the Customer. The terms of promotional programs will be filed with the F.C.C. subject to the requirements of applicable law, except if the promotion is to reduce rates.