

CTC Communications Corp.
d/b/a EarthLink Business
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 Issued: May 19, 2016

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Effective: May 20, 2016

ACCESS SERVICE

CHECK SHEET

Pages of this tariff, as indicated below, are effective as of the date shown at the bottom of the respective pages. Original and revised pages, as named below, comprise all changes from the original tariff and are currently in effect as of the date on the bottom of this page.

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ACCESS SERVICE

SECTION 1 - TARIFF INFORMATION (CONT'D.)

1.3 Definitions (Cont'd.)

Throughput - The amount of information that can be moved through a port connection to and from a customer's computer or terminal during a specified time interval. High throughput occurs at transmission rates of 9.5 Kbps or 56 Kbps. Low to medium throughput occurs at transmission speeds up to 9.6 Kbps.

Transmission Measuring (105Type) Test Line / Responder - An arrangement in an end office which provides far end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Trunk - A transmission path connecting two switching systems in a network, used in the establishment of an end to end connection.

Trunk Circuit Identification Code - The number assigned to each switch trunk to identify it to the SS7 Signaling System.

Trunk Group - A set of trunks which are traffic engineered as a unit for the establishment of connection between switching systems in which all of the communications paths are interchangeable.

Trunk Side Connection - The connection of a transmission path to the trunk side of a local exchange switching system.

Two-Wire to Four-Wire Conversion - An arrangement which converts a four wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire facility.

United States - The forty eight contiguous states, Alaska, Hawaii, Puerto Rico and the U.S. Virgin Islands.

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ACCESS SERVICE

**SECTION 5 - ORDERING OPTIONS FOR SWITCHED AND
SPECIAL ACCESS SERVICE (CONT'D.)**

5.2 Access Order (Cont'd.)

For all Special Access Service and Vertical Services (i.e., Frame Relay Service), the customer must specify the customer designated premises and/or Hubs involved; the customer designated premises, multiplexing node or virtual collocation or Frame Relay Service Hub and Expanded Interconnection multiplexing node(s) or virtual collocation arrangement(s) involved; the channel type (e.g., Metallic, Voice Grade, High Capacity, etc.), the interface; technical specification package if applicable and options desired. (T)

Either a Host Customer or a Service User may place an order to establish, change, disconnect or move multiplexed Switched Access DS1 or DS3 services, multiplexed High Capacity Special Access provided with Shared Billing Arrangement. Prior to placing an order, the ordering customer must obtain a signed letter of authorization from the other customer participating in the Shared Billing Arrangement. The Letter of Authorization must be signed by both the Host Customer and the Service User and include the Connecting Facility Assignment (CFA) and Billing Account Number (BAN) of the Host customer's multiplexed service. In the event that a service user requests the connection of a service to a Host Customer's multiplexer which is in turn part of a separate Shared Billing Arrangement, the ordering customer must also obtain and provide to the Company the appropriate BAN and CFA of the third party's service, in order to identify the complete circuit for purposes of maintenance and testing continuity. The ordering customer must provide a copy of the letter of authorization to the Company at the time the order is placed.

When a Shared Billing Arrangement is requested for a ThruPath Connection between two multiplexed services, either customer may place the order for the service. The ordering customer shall become the Service User for such arrangement. The Service User must obtain and provide to the Company the appropriate BAN and CFA of its own multiplexed service.

In addition, when establishing a multiplexed Switched Access DS1 or DS3 Service, a multiplexed High Capacity Special Access with the Shared Billing Arrangement option, the Host Customer and the Service User must coordinate with each other for the design, testing and maintenance of the service(s).

ACCESS SERVICE

**SECTION 5 - ORDERING OPTIONS FOR SWITCHED AND
SPECIAL ACCESS SERVICE (CONT'D.)**

5.2 Access Order (Cont'd.)

5.2.2 Access Order Modifications (Cont'd.)

C. Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by Company personnel, of the service ordered and the requested changes determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design Change Charges include such things as the addition or deletion of Basic Service Elements, optional features or functions or a change in type of transport termination (switched access only), type of interface, type of Interface Group or technical specification package, or change of Feature Group to Feature Group D, or change in type of Port or Access Connection for Packet Switching Access Services. Design Changes do not include a change of customer premises, multiplexing node or virtual collocation arrangement location, end user premises end office switch, Switched Access entrance facility type feature group, except for changes to Feature Group D or Special Access channel type. Changes of this nature will require the issuance of a new order with appropriate cancellation charges applied.

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The Company will review the requested change, notify the customer whether the change is a design change, if it can be accommodated and if a new service is date is required. If the customer authorizes the Company to proceed with the Design Change, a Design Change Charge will apply. The Design Change Charge will apply on a per order occurrence basis, for each ordering requiring a design change. The Design Change Charge is set forth in Section 13.5, following.

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SECTION 6 - SWITCHED ACCESS SERVICE (CONT'D.)

6.1 General (Cont'd.)

6.1.3 Rate Categories, (Cont'd.)

A. Local Transport (Cont'd.)

1 Interface Groups (Cont'd.)

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SECTION 6 - SWITCHED ACCESS SERVICE (CONT'D.)

6.1 General (Cont'd.)

6.1.3 Rate Categories, (Cont'd.)

A. Local Transport (Cont'd.)

1 Interface Groups (Cont'd.)

h. [RESERVED]

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ACCESS SERVICE

SECTION 7 – SPECIAL ACCESS SERVICE

7.1 General

Special Access Service provides a transmission path to connect customers designated premises, a customer designated premises and a WATS Serving office (WSO), a customer designated premises and Network Controller location.

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

7.1.1 Channel Types

The are four types of channels used to provide Special Access Service. All channel types are sub-divided 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 available transmission parameters and interfaces, those that they desire to meet specific communications requirements.

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SECTION 7 – SPECIAL ACCESS SERVICE (CONT'D)

7.2 Service Descriptions

7.2.1 [RESERVED]

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7.2 Service Descriptions (Cont'd.)

7.2.1 [RESERVED]

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7.2 Service Descriptions (Cont'd.)

7.2.1 [RESERVED]

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7.2 Service Descriptions (Cont'd.)

7.2.1 [RESERVED]

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7.2 Service Descriptions (Cont'd.)

7.2.1 [RESERVED]

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SECTION 7 – SPECIAL ACCESS SERVICE (CONT'D)

7.2 Service Descriptions (Cont'd.)

7.2.1 [RESERVED]

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7.2 Service Descriptions (Cont'd.)

7.2.1 [RESERVED]

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ACCESS SERVICE

SECTION 7 – SPECIAL ACCESS SERVICE (CONT'D)

7.2 Service Descriptions (Cont'd.)

7.2.2 Digital Data Service II

A. General

Digital Data Service II (DDSII) is a digital private line service which provides for simultaneous transmission of digital signals at synchronous speeds of 2.4, 4.8, 9.6, 19.2 and 56 kbps. The actual bit rate is a function of the interface selected by the customer. DDSII operates in a full-duplex, synchronous transmission mode over either two-wire or four-wire facilities between customer designated premises or between a customer designated premises and a Company Hub. In New England DDSII may operate over two-wire facilities between customer designated premises and a Network Controller location. 56 Kbps transmission operates on four-wire facilities only. DDSII Service is provided where suitable facilities exist.

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At the option of the customer DDSII Service may be provided under a Variable Term Payment Plan as specified in Section 7.4.8, following, or when DDSII Service provides access to Frame Relay Service, DDSII Service may be provided under the Frame Relay Service Term Commitment Plan as specified in Section 7.4.8, following.

B. Service Options

1. Two Station Service

This offering may consist of two local distribution channels furnished in the same serving wire center or two local distribution channels furnished in different serving wire centers requiring an interoffice channel. Local distribution channels must be technically compatible and must have technically compatible Customer Provided Equipment (CPE) at both ends.

2. Multi-Station Service

This service consists of connections of three or more stations from designated serving wire centers and provides the capability to connect multiple stations. All stations must operate at the same transmission speed. Local distribution channels must be technically compatible and must have technically compatible CPE at all ends.

ACCESS SERVICE

SECTION 7 – SPECIAL ACCESS SERVICE (CONT'D)

7.2 Service Descriptions (Cont'd.)

7.2.3 High Capacity Service

A. Basic Channel Description

1. General

A High Capacity Channel is a digital channel for the transmission of nominal 64.0 Kbps*, 1.544 Mbps, 3.152 Mbps**, 44.736 Mbps isochronous serial data. The actual bit rate and framing formats are a function of the interface selected by the customer. High Capacity channels are provided between customer designated premises, between a customer designated premises and a Company Hub or between a customer designated premises and a Company Multiplexing Hub or Company Frame Relay Service Hub. (T)

The High Capacity 44.736 Mbps Service is provided on digital optical equipment and light-wave facilities selected by the Company, and it is provided only through a serving wire centers equipped to furnish such service. At the customer designated premises, an optical fiber interface and digital optical equipment convert the signal from optical to electrical. A 110 volt AC15 amperes, separately fused, non-switched controlled, single power outlet must be provided by the customer at the customer designated premises.

* Available as a channel of a 1.544 Mbps facility between two Telephone Company digital Hubs or as a cross connect of 2.4, 4.8, 9.6, 56.0 or 64.0 Kbps channels of two 1.544 Mbps facilities at a digital Hubs. The customer must provide system and channel assignment data. Digital Hubs include both Digital Data Hubs and High Capacity Multiplexing Hubs.

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