
A43. CHANNELIZED VOICE TRANSPORT SERVICES

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A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 Channelized Trunks

A43.1.1 General

- A. Channelized Trunks provide channelized DS1/1.544 Mbps circuits available for voice intraLATA communications services only. Channelization is provided in the central office by D-type channel banks or equivalent which generally provide analog to digital conversion, permitting channels to be transported over digital high capacity facilities. The total number of trunks activated by the customer may not exceed the capacity of the Service Interface as described in A43.1.2. as follows. Channelized Trunks are available where appropriate facilities exist as determined by the Company.
- B. Channelized Trunks provides up to twenty-four Direct Inward Dial (DID) trunks, Outward Only trunks, Combination trunks, or a blend of these trunks, via a channelized DS1 (1.544 Mbps) transport facility. Individual DS0 (64 Kbps) Channels provided via Channelized Trunks will each be identified as a "time slot" within a DS1 facility.
- C. Elements of Service
 - 1. 1.544 Mbps Access Line

The term "1.544 Mbps Access Line" denotes a path for Channelized Trunks between the customer premises and its normal Serving Wire center (SWC). There is one 1.544 Mbps Access Line per DS1 facility and each line has a 1.544 Mbps data transmission rate. This line provides for the two-way simultaneous transmission of isochronous-timed, Bipolar Return to Zero (BPRZ) bit stream format except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not compatible with Company equipment.
 - 2. 1.544 Mbps Interoffice Facility

The term "1.544 Mbps Interoffice Facility" denotes a path for Channelized Trunks between Company SWCs within a LATA. A 1.544 Mbps Interoffice Facility may be furnished in such manner as the Company may elect.
 - 3. Service Interface

The term "Service Interface" denotes channelization capacity for the 1.544 Mbps Access Line associated with Channelized Trunks in the Company's central office. There is only one Service Interface per DS1 facility. Individual DS0 Channels are made available for interconnection with the switched network either in single channels or in capacities of twenty-four voice grade channels.
 - 4. Channels

The term "Channels" denotes the individual DS0-level trunk types that are provided with Channelized Trunks. Terminations to the switch for DID, Outward Only, and/or Combination trunks are available in quantities of up to twenty-four per 1.544 Mbps Access Line and Service Interface.
 - 5. Telephone Numbers

One Telephone Number is provisioned for Combination and Outward Only channels. DID Channel types may have more than one telephone number.
 - 6. Superframe Format and Extended Superframe Format

Channelized Trunks 1.544 Mbps Access Lines are installed with Superframe (SF) or Extended Superframe (ESF) framing format and Alternate Mark Inversion (AMI) or Bipolar Eight Zero Substitution (B8ZS) coding configurations as specified by the customer. Customer signals at the channel interface must conform to these configurations as described in Technical Reference 73525. These configurations may be added or changed subsequent to initial installation of an existing Channelized Trunks 1.544 Mbps Access Line and/or Interoffice Facility in which case customers must agree to out-of-service periods required to arrange existing trunks or facilities.
 - 7. Customer Premises Equipment (CPE)

A Channel Service Unit (CSU) or appropriate CPE provided by the customer is required at the customer premises to perform such functions as; 1) proper termination of service, 2) amplification, signal shaping, and/or 3) remote loopback.
 - 8. Arrangements With Other Services

These elements are in lieu of the central office and channel interface charges for SMARTRing Service or LightGate Service when Channelized Trunks is arranged in conjunction with these services.
- D. The design, maintenance and operation of Channelized Trunks is intended for communications originating and terminating from customers' premises to the normal serving wire center (SWC). (M)

A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 Channelized Trunks (Cont'd)

A43.1.2 Terms and Conditions

- A. To ensure satisfactory operation, terminal equipment provided by the customer must be compatible with the DS1/1.544 Mbps arrangement provided by the Company. The technical specifications and standard network interfaces for Channelized Trunks are consistent with those specified in Technical Reference Publication 73525. This publication is available from AT&T Telecommunications, Inc., Regional Documentation Coordinator, 20th Floor, 600 North 19th Street, Birmingham, Alabama, 35203.
- B. Unless specified otherwise, Channelized Trunks *terms and conditions* as set forth herein apply in addition to *terms and conditions* as set forth in Section A2. (T)
- C. The capability to utilize FlexServ Service or MegaLink Plus Service in connection with Channelized Trunks is allowed as per *Terms and Conditions* specified herein in addition to those set forth for FlexServ Service in Section A32. or MegaLink Plus Service in Section B7. of the Private Line Guidebook. Minimum requirements to establish and maintain Channelized Trunks as specified following are still applicable. (T)
- D. At a minimum, Channelized Trunks shall consist of one 1.544 Mbps Access Line (or other transport service substitute), one Service Interface, one Channel, and one Telephone Number. Appropriate surrogate elements of service are allowed. These minimal requirements are necessary including connections to the Company's FlexServ Service or MegaLink Plus Service. Quantities not meeting these minimum requirements will be considered a disconnect of Channelized Trunks and Termination Liability Charges will apply as specified in A43.1.4 following.
- E. Suspension of Channelized Trunks is not allowed.
- F. *Terms and conditions* for allowances arising out of mistakes, omissions, interruptions, preemptions or delays, errors or defects in transmission of service apply as specified in A2.5. (T)
- G. Two-way DID Service is not allowed for use with Channelized Trunks.
- H. Foreign Exchange Service is not allowed for use with Channelized Trunks.
- I. The Company does not assume responsibility for the compatibility or suitability of customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in a Premise Visit Charge as provided in A43.1.4 following. This charge applies to customers for each dispatch required in connection with a customer's service difficulty or trouble report when it is determined that the source of the difficulty or trouble is on the customer's side of the demarcation point. This charge does not include any further isolation work beyond the demarcation point.
- J. Channelization at customers' premises

Channelization at the customer's premises is provided by the customer. Customer premises channelization equipment and any other associated network termination equipment is available through various vendors, including the Company, on a detariffed basis. Joint provisioning of channelized services introduces joint responsibilities between the customer and the Company.

 - 1. Responsibilities of the Company
 - a. The Company will endeavor to activate its portion of joint service in a timely manner on the negotiated date to support installation requirements.
 - b. The Company will provide the customer with information regarding the type and the manufacturer of Central Office (C.O.) channelization equipment to be used in each application.
 - c. The Company will limit its selection of central office equipment to avoid operational and administrative difficulties associated with a multi-vendor central office environment.
 - d. The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.
 - e. The Company will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes, and schedule cooperative testing for cutover if required.
 - f. Digital synchronization timing for Channelized Trunks will be provided by the Company.

A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 Channelized Trunks (Cont'd)

A43.1.2 Terms and Conditions (Cont'd)

(T)

J. Channelization at customers' premises (Cont'd)

2. Responsibilities of the Customer

- a. The customer must be prepared to activate his portion of joint service in a timely manner on the negotiated date, providing testing equipment and personnel to support installation requirements, as may be necessary.
- b. The customer will be responsible for selecting his own equipment. Customer equipment must be compatible with Company-provided channelization at the central office.

3. Trouble Resolutions

The Company will assist the customer in resolving any installation or day to day channel service problems. However, the Company does not assume responsibility for the compatibility or suitability of the customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in a Premise Visit Charge to the customer, as provided in A43.1.4 following.

A43.1.3 Application of Rates

A. 1.544 Mbps Access Line

Channelized Trunks 1.544 Mbps Access Lines are furnished between customers' premises and the normal Serving Wire center (SWC). Charges are assessed on a flat rate basis. Customers who wish to utilize other Company-provided transport facilities that meet or exceed the required standards to transport Channelized Trunks 1.544 Mbps Access Lines, e.g. LightGate Service, will not incur charges for substitute Channelized Trunks elements.

B. 1.544 Mbps Interoffice Facility

Channelized Trunks 1.544 Mbps Interoffice Facilities are furnished between Company central offices. Charges are assessed in mileage bands based on the airline distance between central offices.

1. Airline distance between Company central offices shall be developed using the methodology in the National Exchange Carrier Association (NECA) Tariff No. 4. Fractional mileage shall be rounded up to the next whole mile.
2. Foreign Exchange Service is not allowed for use with Channelized Trunks 1.544 Interoffice Facilities.
3. Customers who wish to utilize other Company-provided interoffice transport facilities that meet or exceed the required standards to transport Channelized Trunks, e.g. LightGate Service, will not incur charges for substitute Channelized Trunks elements.

C. Service Interface

Service Interfaces are furnished in the Company's central offices and are charged as a single element of service.

D. Channels

Channels are furnished in the Company's central offices for activation of trunks to be transported via the other required elements of Channelized Trunks. Direct Inward Dial (DID), Outward Only and Combination Channel Types are available. For MegaLink Channel Service customers who wish to convert to Channelized Trunks, existing Inward only Network Access Service provisioned as line-side terminations will be converted to DID trunk-side terminations and charges will apply as appropriate.

E. Telephone Number

One Telephone Number is required for each channel activated. There is no charge for Telephone Numbers on Outward Only Channels.

F. Optional Payment Plans

Channelized Trunks monthly rates are available on a month-to-month basis or under variable payment periods¹. Payment periods are based on lengths of twenty-four to forty-eight months, forty-nine to seventy-two months, or seventy-three to ninety-six months. The minimum payment period for Channelized Trunks is one month.

Note 1: Effective July 1, 2014, customers may not establish new variable payment period plans of any length for Channelized Trunks, and existing variable payment period plans may not be renewed. For new service, or for existing service after any variable payment period plan expires, service will be provided only on a month-to-month basis.

A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 Channelized Trunks (Cont'd)

A43.1.3 Application of Rates (Cont'd)

G. (DELETED)

H. Moves to New Locations

Termination Liability Charges do not apply for moves of Channelized Trunks to new locations as long as the original and new premises locations are located in Company territory and within the same state.

I. Customer Change to Higher Order of Service

For Channelized Trunks customers who request a change to a higher order of service, Termination Liability Charges may not apply, subject to Channel Services Payment Plan (CSPP) Disconnect *terms and conditions* as provided in B2.4 of the Private Line Guidebook. (T)

J. Service Order Cancellation Charge

Customers who cancel a service order for the installation of Channelized Trunks are subject to cancellation charges as defined in B.2.4 of the Private Line Guidebook.

K. Service Installation Guarantee

Channelized Trunks is eligible for Service Installation Guarantee as specified in B2.4 of the Private Line Guidebook.

L. Expiration of Optional Payment Plans¹

The Channelized Trunks rates in effect at the time the service is installed and/or as of the application date will be applicable until the expiration of the customer selected payment period. Rates provided under the optional payment periods, other than the month-to-month payment period, will not be increased by Company initiative until the expiration of the customer's specified payment period. At the expiration date of the customer's payment period, the customer will revert to current rates on a Month-to-Month basis.

M. DID Optional Features

Customers who require Direct-Inward Dialing (DID) channels are allowed to choose Dial Pulsing (DP), Multifrequency (MF) Pulsing or Dual Tone Multifrequency (DTMF) Pulsing signaling arrangements. Additional charges, as provided in A12.7, are associated with the MF and DTMF options.

N. Service Order Charges and Grouping Service Charges

Service Order Charges, as provided in Section A4., do not apply to Channelized Trunks.

Grouping Service charges, as provided in Section A3., do not apply to Channelized Trunks.

O. Special Construction Charges

The rates specified for Channelized Trunks contemplate the provision of a digital quality facility over existing interoffice carrier equipment and/or exchange facilities compatible with this service. If new facilities or equipment or changes to existing facilities or equipment are required for the provision of this service, a special construction charge, as specified in Section A5. and based on the cost incurred to make the changes, may apply in addition to the rates and/or charges appropriate for Channelized Trunks.

P. Superframe and Extended Superframe Format

Charges for Superframe and Extended Superframe Format are applicable only to additions or changes in line coding and formatting configurations subsequent to the initial installation of an existing Channelized Trunks 1.544 Mbps Access Line and/or Interoffice Facility.

Note 1: Effective July 1, 2014, customers may not establish new variable payment period plans of any length for Channelized Trunks, and existing variable payment period plans may not be renewed. For new service, or for existing service after any variable payment period plan expires, service will be provided only on a month-to-month basis.

A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 Channelized Trunks (Cont'd)

A43.1.4 Rates and Charges

		Nonrecurring Charge	Month to Month	24 to 48 ² Months	49 to 72 ² Months	73 to 96 ² Months	USOC	(1)
A.	1.544 Mbps Access Line							
1.	Each Access Line Provisioned							
	(a) First 1/2 Mile	\$350.00	\$978.00	\$130.00	\$125.00	\$120.00	BCTL1	
	(b) Each Additional 1/2 Mile (Provisional USOC)	-	-	-	-	-	BCTL2	
B.	1.544 Mbps Interoffice Facility							
1.	Each Access Line Provisioned							
	Mileage Between Central Offices							
	(a) 0 - 8 Miles	125.00	180.00	170.00	165.00	160.00	BCT9M	
	(b) 9-25 Miles	125.00	370.00	350.00	340.00	330.00	BCT1M	
	(c) 26-50 Miles	125.00	875.00	830.00	805.00	785.00	BCT2M	
	(d) Over 50 Miles	125.00	1,440.00	1,370.00	1,325.00	1,295.00	BCT5M	
C.	Service Interface							
1.	Each Service Interface Provisioned							
	(a) Per Service Interface	225.00	235.00	189.00	171.00	154.00	BCTS1	
D.	Arrangements With Other Services							
1.	Access Lines Provisioned From Service Other Than Company Channelized Trunks							
	(a) Each Access Line (Provisional USOC)	-	-	-	-	-	BCTAC	
2.	Interoffice Facilities Provisioned From Service Other Than Company Channelized Trunks							
	(a) Each Interoffice Access Line (Provisional USOC)	-	-	-	-	-	BCTFM	
3.	Access Lines Provisioned in Company Central Offices and Arranged in Conjunction with SMARTRing service or LightGate Service							
	(a) Each Central Office Channel Interface	180.00	35.00	30.00	25.00	20.00	BCTS2	
4.	Access Lines Provisioned on Customers' Premises and Arranged in Conjunction with SMARTRing service or LightGate Service							
	(a) Each Customer Channel Interface	285.00	35.00	30.00	25.00	20.00	BCTS3	
E.	Channel							
1.	Each Channel Type Activated							
	(a) Direct-Inward Dial (DID)	95.00	55.00	50.00	45.00	43.00	BCT1C	
	(b) DID Dial Pulse (DP) Signaling ¹ (Provisional USOC)	-	-	-	-	-	S5MBP	
	(c) Combination	7.00	33.00	30.00	28.00	26.00	BCT2C	
	(d) Outward Only	7.00	45.00	30.00	28.00	26.00	BCTOC	

Note 1: DID Multifrequency (MF) and DID Dual Tone Multifrequency (DTMF) Pulsing Options are also available as provided in A12.7.

Note 2: Effective July 1, 2014, customers may not establish new variable payment period plans of any length for Channelized Trunks, and existing variable payment period plans may not be renewed. For new service, or for existing service after any variable payment period plan expires, service will be provided only on a month-to-month basis.

A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 Channelized Trunks (Cont'd)

A43.1.4 Rates and Charges (Cont'd)

F. Telephone Number

1. Each Number Activated

Monthly Rate

		USOC	
(a)	DID Telephone Number	\$1.00	BCT1T (I)
(b)	Combination Telephone Number	1.00	BCT2T (I)
(c)	Outward Only Telephone Number (Provisional USOC)	-	BCTOT

G. Superframe Format / Extended Superframe Format

1. Per Channelized Trunks 1.544 Mbps Access Line formatted or per 1.544 Mbps Interoffice Facility formatted.

Subsequent

	Nonrecurring Charge	USOC
(a)	Superframe Format	\$250.00
(b)	Superframe Format (Provisional USOC)	-
(c)	Extended Superframe Format	250.00
(d)	Extended Superframe Format (Provisional USOC)	-
		CCOSF
		MCOSE
		CCOEF
		MCOPO

H. Service Establishment

A Service Establishment Charge is applicable for each Channelized Trunks 1.544 Mbps Access Line ordered, except as specified in A43.1.3.G, preceding. This charge is for receiving and recording information and/or taking action in connection with a customer's request for service. This charge includes engineering design, common centralized testing and coordination. A Premises Visit Charge as defined in J. following is also applicable to initial service establishment.

1. Service Establishment Charge, Each Channelized Trunks 1.544 Mbps Access Line Provisioned

	Nonrecurring Charge	USOC
(a)	(DELETED)	
(b)	New Channelized Trunks customer	\$575.00
		BCTSE

I. Move of Service

A Move of Service charge applies for each Channelized Trunks 1.544 Mbps Access Line moved to a new location in the same building. This move charge is equal to the sum of the Service Change and/or Inside Move Charge and the Premises Visit Charge as provided in J. following. A Move of Service charge also applies for each Channelized Trunks 1.544 Mbps Access Line moved to a new location in Company territory within the same state. In this case the move charge is equal to the sum of all nonrecurring charges applicable to a new Channelized Trunks 1.544 Mbps Access Line installation at the new location including a Premise Visit Charge.

J. Service Installation and Rearrangement

Service Installation and Rearrangement charges are applicable for receiving and recording information and/or taking action in connection with a customer's inside move, transfer of service responsibility request, or for processing the necessary data for a change to an existing Channelized Trunks 1.544 Mbps Access Line. Premises Visit Charges are applicable for Service Establishment and Moves of Service. Only one Premises Visit Charge applies when more than one Channelized Trunks 1.544 Mbps Access Line is moved or installed at the same premises at the same time.

1. Service Change and/or Inside Move

(a)	Each Channelized Trunks 1.544 Mbps Access Line Provisioned	325.00	BCTMV
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2. Transfer of Responsibility

(a)	Each Transfer	25.00	BCTTR
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3. Premises Visit Charge

(a)	Each Visit	40.00	BCTPV
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K. Termination Liability

A Termination Liability Charge (TLC) is applicable if service is terminated prior to expiration of a customer selected optional payment period. The applicable charge is based on the service period to which the customer is subscribed and will be equal to fifty-percent (50%) of the contracted monthly rate for Access Lines, Service Interfaces, Channels and Telephone Numbers times the number of months remaining in the commitment.

A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 BellSouth Channelized Trunks (Cont'd)

(M)