

DIGITAL TRUNKING SERVICE**A. Description**

Digital Trunking Service provides for Digital Trunk access from a central office via AT&T DS1 Service. This arrangement furnishes the equivalent of 24 Network Access Lines for use as Wide Area Telecommunications Service (WATS), or as P.B.X. trunks, which may or may not include Direct Inward Dialing (DID) Service. In addition, Digital Trunking Service as described below is also available via a cross-connection point within the Company's central office. This arrangement furnishes the equivalent of 24 ports for use as P.B.X. Ground Start ports as described in Part 19, Section 1, which may or may not include DID Service.

Digital Trunking Service is classified as a local exchange, competitive telecommunications service for Business customers with twelve (12) or more lines in Access Area A, Access Area B, and the following districts: Arlington Heights, Bensenville, Champaign Main, Champaign University, Decatur Main, Decatur North, Deerfield, Downers Grove, Elk Grove, Elmhurst, Geneva, Glenview, Hinsdale, Lombard, Naperville, Northbrook, Springfield Lake, Springfield Main, Springfield West, Wheaton, Wheeling.

In addition to the rates and charges following, the rates and charges for DID Service, as specified in Part 6 Section 1, and intrastate WATS access lines as specified in Part 10 are also applicable, as appropriate. For service provided via a cross-connection point within the Company's central office, in addition to the rates and charges following, the rates and charges for DID Service, as specified in Part 6, Section 1 are applicable as appropriate. Line Connection Charges for P.B.X. trunks are not applicable.

The terms, conditions and rates specified herein are in addition to the applicable terms, conditions and rates specified in this and other Parts of this guidebook.

B. Terms and conditions**1. Availability of Service**

Digital Trunking Service is provided subject to the availability of facilities. A service inquiry must, therefore, be made to determine availability of service.

2. Provision of Service

- a. Digital Trunking Service provided to the customer's premises is only provided in base capacities of 24 channels. These channels are available for access to any mix of P.B.X. trunks or WATS. Access to channel services is not available.
- b. Where Digital Trunking Service is provided via a cross-connection point within the Company's central office, the group of 24 ports are available with any mix of P.B.X. ports, which may or may not include Direct Inward Dialing (DID) Service.
- c. Service is furnished on a full-time basis (24 hours a day, seven days a week).

DIGITAL TRUNKING SERVICE (cont'd)**C. Prices**

| | <u>Nonrecurring Charge</u> | <u>Month Rate</u> |
|--|---------------------------------------|--------------------------|
| 1. Digital Trunking, per 24 Network Access Line increments, from | | |
| a. Digital Central Offices where no Line Side Capabilities or Services are required /D7W// ^{1/} | \$315.00 | \$3,500.00(I) |
| b. All Analog Central Offices and those Digital Central Offices where Line Side Capabilities such as Dial Tone, Ground Start and Multi-Line Hunt Group and/or Services such as Custom Calling are required /D8W/ | 575.00 | 4,220.00(I) |
| 2. When Digital Trunking Service is provided to a customer premises: | | |
| a. Rates and charges for Ameritech DS1 Service as specified in Part 15, Section 3 are applicable in addition to the rates in paragraphs 1 and 2. | | |
| b. Service Charges as specified for 1.544 Mbps Digital Service Un-channelized Customer Premises to Central Office Lines are applicable for the establishment of the DS1 channels as specified in Part 15. | | |
| c. In addition to the above rates, End User Common Line (EUCL) Charges as filed for the State of Illinois with the F.C.C. in Ameritech Operating Companies Tariff F.C.C. No. 2 are applicable. | | |
| 3. When Digital Trunking Service is provided via a cross-connection point within the Company's central office: | | |
| a. Service Charges are applicable to the establishment of service. | | |
| b. Channel charges apply per PBX Port as specified in Part 7, Section 5, whether Cross Connection takes place at the same time as the Digital Trunking Service is ordered or at a later point in time. | | |

^{1/} Digital Trunking does not include line side capabilities as described above. Therefore, only wink start, immediate start or delay start are available for these trunk side connections.

DIRECT INWARD DIALING (DID) TO PBX SYSTEMS**A. Reserved for Future Use****B. Terms and Conditions**

Additional DID numbers can be reserved for future use by ordering numbers at rates specified in paragraph B. The Company does not guarantee to provide reserved numbers in a consecutive order. The Company will be responsible for interception and administration of these numbers.

1. Reserved for future use
2. Two-Way Direct Inward Dialing (DID) With Call Transfer
 - a. Reserved for future use
 - b. Additional numbers may be reserved for future use, in groups of 10, at the Rates and Charges specified herein. The assignment of numbers and the sequence of numbers assigned to a customer are made at the discretion of the Company. The Company will be responsible for providing intercept and for administration of reserved numbers. The customer is responsible for providing intercept on assigned but unused numbers associated with 2-Way DID With Call Transfer service.

C. Prices

| <u>Description /Billing Code/</u> | <u>Nonrecurring Charge</u> | <u>Monthly Price</u> |
|--|--------------------------------|--------------------------|
| DID Number Charges Each group of 10 Reserved DID station numbers or fraction thereof, each group /NDV/ | - | \$26.00 (I) |

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INTERCOM CALLING SERVICE^{/1/}

Intercom Calling Service will not be provided to new customers on and after June 19, 1990. Customers having this service or who have placed orders which were accepted by the Company prior to June 19, 1990, may continue such service from their present location. In the event the service at any location is terminated for the customer, such service will not be reestablished.

A. General

1. Intercom Calling Service is a local exchange telecommunications intercommunication service that allows an exchange access line, with multiple station sets associated with the same directory number, to function as an intercommunication system and includes Three-way Calling as described in Part 7, Section 1, paragraph 1.
2. Intercom Calling Service will be provided subject to the availability of appropriate central office facilities as determined by the Company.

B. Regulations

1. Intercom Calling Service is available only with single line Residence service.
2. The Threeway Calling feature is included as part of Intercom Calling Service and is not separately billable as a feature of Custom Calling Service.
3. In addition to the monthly charges in paragraph D, one I.N.C. of \$2.50 is applicable per line for all features added or changed at the same time, except when a Line Connection Charge is otherwise applicable.
4. Service Charges are not applicable to this service when installed within 30 days of the date the service is initially available from a central office.

C. Feature Capabilities

1. Selective Intercom Dialing
Permits the customer to dial one of three access codes, each with a distinctive ring; hang up; and then be answered at any telephone on the line.
2. Selective Call Transfer
Permits the transfer of calls between extensions utilizing Selective Intercom Dialing and Threeway Calling.
3. Dialable Call Hold
Permits the customer to place a non-intercom call on hold, activate Selective Call Transfer, and hang up. During this hold, any telephone with access to the line may pick up the call.

D. Rates and Charges

The following rates for Intercom Calling Service are in addition to applicable rates and charges for associated service and equipment.

| | <u>Per Mo.</u> |
|--|-----------------------|
| Intercom Calling Service, per line /E125B/ | \$6.50 |

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E)

Digital Transport Service-Enhanced (DTS-E) will no longer be available to new customers (no current contract or service) on or after June 30, 2016. However, the Service will remain available for 9-1-1 Public Safety Answering Point (PSAP) customers that require channelization of their 9-1-1 trunking. It will be available to existing 9-1-1 PSAP users of the Service as well as new 9-1-1 PSAP customers needing the Service. With the noted 9-1-1- PSAP exception, customers having this service or who have placed orders which were accepted by the Company prior to this date, may continue such service from their present location, subject to the following conditions: new requests for physical changes to DTS-E, including the upgrade or downgrade of access/port speed, installation of new service, or moves to different service addresses will not be provisioned.

A. Description

Digital Transport Service - Enhanced (DTS-E) delivers voice grade service from a Company serving central office to a customer's premises. DTS-E is available in three serving arrangements, also (C)
known as Modules (see Paragraph D). DTS-E Modules 1, 2, and 3 are provided in conjunction with
DS1 Service (1.544 Mbps). The 24 channels may be used for the transport of services for (D)
termination on customer provided equipment.

B. Definitions**DS1 Service**

DS1 Service denotes the channelized 1.544 Mbps DS1 facility between a customer premises and the serving central office for that location. This element is used in conjunction with Modules 1, 2, and 3 and is purchased from Part 15, Section 3 of this Guidebook.

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

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B. Definitions (cont'd)**Term Payment Plan**^{/2/ /3/}

A period of time selected by the customer from among those currently offered by the Company, over which the customer agrees to pay a specified price for a product/service

C. Terms and Conditions

1. Digital Transport Service - Enhanced is offered from central offices where the Company has arranged for facilities for such service. At the request of the customer and at the discretion of the company, DTS-E may be extended to central offices within the same Local Access Transport Area (LATA) through the application of DS1, DS3 Service, OC-n Point-to-Point Service, OC-n Dedicated Ring Service or other suitable Company provided services. This arrangement is not available in independent telephone company serving areas.
2. The availability, functionality and capabilities of DTS-E features may vary based on the serving central office.
3. The Company reserves the right to determine when trunk-side or line-side terminations are required and whether or not DTS-E may be provisioned with the customer's service and equipment. Serving central office limitations may require restricting certain customer applications to only trunk-side terminations.
4. Clear Channel capability is an optional DS1 feature that may be used in conjunction with DTS-E. Clear Channel allows the customer to transport 1.536 Mbps on a 1.544 Mbps line with no constraint on the quantity or bit sequence. Clear Channel nonrecurring charges, as noted elsewhere in this Guidebook, are applicable only when Clear Channel is ordered subsequent to initial installation of this service.
5. When a DTS-E subscriber is also the customer of record for the Company's high speed transport services, the DTS-E customer may request provisioning of DTS-E over their high speed transport service's vacant bandwidth.
6. The same customer of record is required for both DTS-E and the associated Company facility. Sharing of common transport or DTS-E arrangements between multiple customers is not permitted.
7. Base Rate non-switched 56 Kbps service may be limited by certain combinations of switch type, signaling and frame format, to a maximum of twelve channels per DTS-E DS-1 facility.

/1/ Material formerly appeared in Part 6 Section 7.

/2/ Effective August 31, 2011, 3 Year and 5 Year Term Payment Plans are no longer available for new installations or renewals of DTS-E Modules 1, 2 and 3. DTS-E Module 1, 2 or 3 customers currently on a Term Payment Plan may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service by entering into a new 1 Year TPP agreement at the then current applicable 1 Year TPP rates. If the customer does not enter into a new 1 Year TPP agreement, or request discontinuance of the service, the month-to-month tariff rates in effect at such time will automatically apply.

/3/ Effective December 1, 2015, customers may not establish new Term Payment Plans (TPP) of any length for DTS-E Modules 1, 2 or 3, and existing TPPs may not be renewed. For new service, or for existing service after any TPP expires, service will be provided only on a month-to-month basis.

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DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)**D. Features**

DTS-E is available in three serving arrangements and is furnished where facilities permit. Availability and functionality of DTS-E and its features may vary by serving central office and switch type. (C)

Module 1

Module 1 is an arrangement that supports Business Trunk Services (e.g., 1-Way In non-DID, 2-Way Combination); toll terminals; IntraMSA Dedicated 800 Service; and Foreign District Service. Toll restriction service and 900-976 Call Blocking are also available with Module 1.

Module 2

Module 2 supports all services provided in Module 1 plus Direct Inward Dialing (DID) Service.

Module 3

In addition to services supported in Module 1 and Module 2, Module 3 supports the following: Business Direct Network Access Service; Base Rate non-switched 56 Kbps Service; Direct Inward Dialing with Call Transfer Service; and Off Premise Extension Service. Call Waiting, Call Forwarding Variable, and Three-Way Calling are available with Business Direct Network Access Service.

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E. Technical References

Customer Provided Equipment (CPE) compatibility requirements are listed in Company Technical References. All Customer-Provided Equipment used to interface with Digital Transport Service - Enhanced is required to conform with the Technical Reference specifications as used by the Company.

Subject**Technical Reference**

Network Channel Terminating Equipment
Digital Transport Service

TR-NPL-000054
AM-TR-TMO-000101

The Technical Reference can be obtained from:

APEx Support Team
(734) 523-7348

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)**F. Prices**

The following prices are applicable to standard installations of Digital Transport Service - Enhanced and are in addition to all other charges for associated services and equipment necessary to provide telecommunications service.

Refer to paragraph F.2, Other Applicable Charges and Payments, for additional charges associated with the provision of Digital Transport Service - Enhanced.

1. Service Elements

| <u>Description /Billing Code/</u> | <u>Install Charge</u> | <u>Month-to-Month</u> | <u>Monthly Payment Term Payment Plans</u> | | |
|--|-----------------------|-----------------------|---|-----------------------------|-----------------------------|
| | | | <u>1 Year^{/3/}</u> | <u>3 Year^{/2/}</u> | <u>5 Year^{/2/}</u> |
| DS1 Facility, per module (see paragraph F.2) | | | | | |
| Module 1 ^{/1/} per DS1 equipped /EMZ1X/ | \$240.00 | \$16,275.00(l) | \$565.00 | \$530.00 | \$470.00 |
| Module 2 ^{/1/} per DS1 equipped /EMZ2X/ | 280.00 | 20,305.00(l) | 720.00 | 655.00 | 595.00 |
| Module 3 ^{/1/} per DS1 equipped /EMZ3X/ | 300.00 | 21,315.00(l) | 780.00 | 720.00 | 655.00 |
| Additional Equipment Charge Modules 1, 2, 3 /FD5EX/ | 240.00 | 3,685.00(l) | 110.00 | 110.00 | 110.00 |
| Subsequent Addition/ Rearrangement Charge: Modules 1, 2, 3, per Channel /NR9DT/ | 10.00 | - | - | - | - |

/1/ Rates for Modules 1, 2 and 3 include services and features supported by Modules 1, 2 and 3 as described in paragraph D. However, other charges may be applicable as noted in paragraph F.

/2/ Effective August 31, 2011, 3 Year and 5 Year Term Payment Plans are no longer available for new installations or renewals of DTS-E Modules 1, 2 and 3. DTS-E Module 1, 2 or 3 customers currently on a Term Payment Plan may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service by entering into a new 1 Year TPP agreement at the then current applicable 1 Year TPP rates. If the customer does not enter into a new 1 Year TPP agreement, or request discontinuance of the service, the month-to-month tariff rates in effect at such time will automatically apply.

/3/ Effective December 1, 2015, customers may not establish new Term Payment Plans (TPP) of any length for DTS-E Modules 1, 2 or 3, and existing TPPs may not be renewed. For new service, or for existing service after any TPP expires, service will be provided only on a month-to-month basis.

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

F. Prices (cont'd)

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DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)

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F. Prices (cont'd)**2. Other Applicable Charges and Payments**

In addition to the DTS-E rates and charges noted in paragraph F.1, the following rates and charges as specified elsewhere in this Guidebook may also apply:

- Base Rate channel mileage, channel mileage termination charges, and local distribution channel charges for the terminating arrangement
- IntraMSA Dedicated 800 Service usage charges
- DS1 recurring and nonrecurring charges, per DS1 ordered
- DS1 Clear Channel nonrecurring charge
- Caller ID recurring charges
- DID Station Number recurring and nonrecurring charges
- Foreign District Service channel mileage charges
- Off Premise Extension channel mileage charges
- Centrex Service recurring and nonrecurring charges
- Primary Interexchange Carrier Charge (PICC)^{/1/}
- End-User Common Line Charges^{/2/}
- ITAC Supplemental Charge^{/3/}

Where both trunk-side and line-side connections are requested, an Additional Equipment Charge as noted in paragraph F.1 is applicable.

The Per Channel Subsequent Addition/Rearrangement Charge as noted in paragraph F.1, in addition to any applicable service connection charges normally associated with the installation or rearrangement of module services or features.

Local or Message Toll Service calls established through the use of DTS-E Service will be charged for at the rates specified elsewhere in this Guidebook.

A Business Service Ordering Charge as specified in part 3, section 1 is applicable in addition to the Module Installation Charge.

/1/ See Ameritech Operating Companies Tariff F.C.C. No. 2, Section 3.

/2/ See Ameritech Operating Companies Tariff F.C.C. No. 2, Section 4.

/3/ See part 8, section 9.

/4/ Material formerly appeared in Part 6, Section 7.

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DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)**F. Prices (cont'd)**

2. Other Applicable Charges and Payments (cont'd)

References:

The rates and charges in paragraph F.1 are for Digital Transport Service - Enhanced. Additional applicable rates and charges for services specified in paragraph F.2 can be found in the Guidebook references listed below.

Service**Reference**

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| | |
|--|---|
| Base Rate Service | Part 15, Section 3 |
| IntraMSA Dedicated 800 Service | Part 10, Section 1 |
| DS1 Service | Part 15, Section 3 |
| Business Basic Exchange Service and Usage | Part 4, Section 2 |
| Caller ID | Part 7, Section 2 |
| Direct Inward Dialing (DID) Service | Part 6, Section 1 |
| End-User Common Line Charges | Ameritech Operating Companies Tariff, F.C.C. No. 2, Section 4.1.7(c) |
| ITAC Supplemental Charge | Part 8, Section 9 |
| Foreign District Service | Part 4, Section 3 |
| Message Telecommunications Service | Part 9, Section 1 |
| Off Premise Extension Service | Part 15, Section 2 |
| Service Charges | Part 3, Section 1 |

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)**F. Prices (cont'd)****3. Payment Plans**Month to Month

The minimum period is one month, unless specified otherwise.

Term Payment Plans^{/1/ /2/}

The Term Payment Plan (TPP) is a plan which allows customers to pay a fixed price for equipment and service over optional periods. A different monthly price applies for the duration of each payment period. The monthly price varies inversely with the length of the payment period. The same payment plan must apply to all services and features.

DTS-E Module 1, 2, and 3 Term Payment Plans are available for 1, 3 or 5 years.

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During the effective term period, the monthly price is not subject to Company-initiated changes for payment periods longer than one month.

4. Termination Charges

Customers subscribing to DTS-E under the Term Payment Plan (TPP) will remain liable for payment of a percentage of the monthly TPP charges for the remainder of the term as indicated below, which shall, upon any such termination, immediately become due and payable in its entirety. Customers requesting termination of service prior to the expiration date of the TPP^{/1/} term will be liable for a termination charge. The termination charge for all TPP terms will be, in addition to any unpaid Special Construction or Nonrecurring Charges (excluding waived charges), equal to fifty percent (50%) of all recurring charges for the remaining months of the customer's TPP term. Termination charges are not applicable to changes in the physical location of the customer's DTS-E services as long as the service originates in the same serving central office.

/1/ Effective August 31, 2011, 3 Year and 5 Year Term Payment Plans are no longer available for new installations or renewals of DTS-E Modules 1, 2 and 3. DTS-E Module 1, 2 or 3 customers currently on a Term Payment Plan may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service by entering into a new 1 Year TPP agreement at the then current applicable 1 Year TPP rates. If the customer does not enter into a new 1 Year TPP agreement, or request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

/2/ Effective December 1, 2015, customers may not establish new Term Payment Plans (TPP) of any length for DTS-E Modules 1, 2 or 3, and existing TPPs may not be renewed. For new service, or for existing service after any TPP expires, service will be provided only on a month-to-month basis.

DIGITAL TRANSPORT SERVICE - ENHANCED (DTS-E) (cont'd)**F. Prices (cont'd)****4. Termination Charges (cont'd)**

Termination charges are not applicable if the customer converts their DTS-E Module 1, 2, or 3 service to another Company provided Business exchange voice service that utilizes a Company provided DS1 or DS1 equivalent transport service as part of the service offering. The following terms and conditions apply to this termination charge waiver.

- a. The customer must agree to a TPP^{/1/ /2/} that equals or exceeds the number of months remaining on the existing DTS-E Module 1, 2, or 3 TPP.
- b. The number of circuits on the new TPP must be equivalent to or exceed the number of circuits under the existing TPP.
- c. The new TPP shall begin immediately upon conversion from the existing TPP.
- d. The new service must be provided between the same customer locations and with the same customer of record as the disconnected service.
- e. Nonrecurring charges for the new service will apply.

All termination charges will be based on the TPP prices in effect at the time of termination. Termination charges are applicable for DS1 Service used in conjunction with DTS-E Service Modules 1, 2, and 3 as specified in Part 15, Section 3.

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/1/ Effective August 31, 2011, 3 Year and 5 Year Term Payment Plans are no longer available for new installations or renewals of DTS-E Modules 1, 2 and 3. DTS-E Module 1, 2 or 3 customers currently on a Term Payment Plan may continue service at their existing TPP rate until the contract term expires. Upon completion of the current contract term, customers may continue receiving the service by entering into a new 1 Year TPP agreement at the then current applicable 1 Year TPP rates. If the customer does not enter into a new 1 Year TPP agreement, or request discontinuance of the service, the month-to-month rates in effect at such time will automatically apply.

/2/ Effective December 1, 2015, customers may not establish new Term Payment Plans (TPP) of any length for DTS-E Modules 1, 2 or 3, and existing TPPs may not be renewed. For new service, or for existing service after any TPP expires, service will be provided only on a month-to-month basis.

CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE

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Effective November 30, 2018, Customized Switched Metro Ethernet (CSME) Service will no longer be available for purchase by new or existing customers. The Company will no longer accept orders for adds, moves, changes or new term plans for CSME Service, and existing term plans may not be renewed, converted or extended. Following the expiration of a customer's existing CSME term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued.

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A. Description

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Customized Switched Metro Ethernet (CSME) Service is a switched Layer 2 Ethernet network allowing for basic metropolitan Ethernet connectivity. CSME Service allows businesses to interconnect multiple customer locations within a LATA as if they were segments on the same LAN using packet-based switching technologies. Connections at the customer premises are made using Native Ethernet interfaces and traverse the MAN over fiber facilities. CSME Service provides bandwidth of either 10 Mbps, 100 Mbps or 1 Gbps^{/1/}.

Customers connect to CSME Service via one of the following standard connections, as requested by the customer:

- 10/100 Base T (10 Mbps or 100 Mbps)
- Gigabit Ethernet (1000 Base SX, 1000 Base LX/LH or 1000 Base ZX)

Customers may connect multiple locations together, as long as they are in the same LATA or MAN and the service is available. This service acts as an Ethernet bridge supporting LAN-to-LAN connections.

CSME Service includes the connection from the customer's premise to the Ethernet network, a port on the Ethernet network and the bandwidth that will be used across the network. An optional feature is the ability to segregate customer traffic, as deemed necessary by the customer. This traffic segregation is accomplished using Ethernet Virtual Connections (EVCs), at an additional charge.

B. Terms and Conditions

In addition to regulations set forth elsewhere in this Guidebook, the following regulations apply to CSME Service:

1. CSME Service is provided at the option of the Company where equipment and facilities permit. If appropriate facilities are not available, Special Construction charges may apply.
2. The customer provided equipment (CPE) must deliver the data signal for the CSME transport within the industry specification for the subscribed data service. See *Technical References* following.
3. CSME Service supports full duplex communication.
4. If a customer connects to the CSME network using a bridge or switch for Layer 2 connectivity, only 150 MAC addresses can be used per Layer 2 device, per port. Any additional addresses over the first 150 will be assessed an additional charge, with a limit of 200 MAC addresses total per port. An additional charge will be assessed per block of 151-200 addresses. See *Prices* following.

/1/ Bandwidth is inclusive of allowances for overhead within the Ethernet network. If a customer orders 1 Gbps of bandwidth on a single port, the Company reserves the right to use up to 10% of the bandwidth for traffic management.

/2/ Material formerly appeared on Part 6, Section 9, Sheet 26.

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CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

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B. Terms and Conditions (cont'd)

5. CSME Service is distance limited, based on circuit configuration as determined by the Company. A repeater may be used to extend the transmission of CSME Service. See Repeater under *Features (Optional)* following for further definition. See *Prices* following.
6. Should the customer wish to segregate traffic, a total of 8 Ethernet Virtual Connections (EVCs) may be configured per 10/100 Base T connection. A total of 64 EVCs may be configured per 1 Gbps connection. Should the customer request more than 64 EVCs on a 1 Gbps connection, a technical review will need to be conducted to determine whether the network will support more than 64 EVCs.
7. If a customer desires that service be provided on a due date less than the standard interval, the customer may request that service be provided on an expedited basis. If the Company determines that service can be provided on the requested expedited date and spare facilities are available, the Expedite Order Charge (per port, per location) will apply. See *Prices* following.
8. If the customer cancels service prior to installation being completed, a Service Order Cancellation charge (per port, per location) will apply. See *Prices* following. The customer's intent to cancel service must be made in writing.
9. CSME Service may be available in a meet-point billing arrangement involving another Incumbent Local Exchange Carrier (ILEC) (sometimes also referred to as an Independent Company or ICO), where suitable facilities exist and where appropriate procedures for such arrangements have been put in place between the Company and the other ILEC. When the Company and another ILEC jointly provision CSME Service with the other ILEC's service, the ILEC involved shall bill the customer at that ILEC's applicable rates for their portion of the service located in their operating territory. Ordering and provisioning procedures may vary, and therefore Meet-Point rate elements and charges may not be applicable, when the other ILEC involved in the Meet-Point arrangement is an AT&T ILEC.
10. Service Level Agreements are not offered with this service. However, Credit Allowances are applicable. See *Prices* following.
11. Reserved for future use.
12. If the 10 Mbps or 100 Mbps connection is ordered, it will only be provisioned using the 10/100 Base T connection.

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CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

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B. Terms and Conditions (cont'd)

13. The responsibility of the Company shall be limited to furnishing the CSME network. Subject to this responsibility, the Company shall not be responsible for the through transmission of signals generated by CPE or for the quality of, or defects in, such transmission or the rejection of signal by CPE. The Company shall not be responsible for installation, operation, maintenance or adapting CSME to the technological requirements of specific CPE. In addition, the Company shall not be responsible to the customer if changes in any of the equipment, operations or procedures of the Company used in the provisioning of CSME render any facilities provided by the customer obsolete; or require modification or alteration of such equipment or system; or otherwise affect its use or performance, provided the Company has met all applicable information disclosure requirements otherwise required by law.
14. Customers will be permitted to move from a 10 Mbps or 100 Mbps Connection to a 1 Gbps Connection, however, the Nonrecurring Charge associated with the new 1 Gbps Connection will apply. See *Prices* following.
15. The Company will use controls to limit the amount of multicast and broadcast traffic to protect the CSME network against traffic storms. The maximum throughput of multicast traffic will be set at 1 Mbps per customer port, while the maximum throughput of broadcast traffic will be set at 200 packets per second per port. The Company recommends that customers enable controls for multicast, broadcast and unknown unicast traffic within the customer network(s).

C. Features**1. Standard Features**Usage, Port, Transport and Interface

Provides for the physical connection between the customer's premise and the serving wire center, as well as the bandwidth that will be used by the customer at each location. Several interface protocols are available: 10/100 Base T and Gigabit Ethernet (1000 Base SX, 1000 Base LX/LH or 1000 Base ZX).

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CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

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C. Features (cont'd)**2. Optional Features**Additional MAC Addresses

Media Access Control (MAC) Addresses denote a data link layer protocol used for Layer 2 connectivity. If a customer connects to the CSME network using a bridge or switch for Layer 2 connectivity, only 150 MAC addresses can be used per Layer 2 device, per port. Any additional addresses over the first 150 will be assessed an additional charge, with a limit of 200 MAC addresses total per port. An additional charge will be assessed per block of 151-200 addresses.

Ethernet Virtual Connections (EVC)

An Ethernet Virtual Connection is a logical point-to-point connection between two customer locations, and goes from the customer demarcation point at one location through the network to terminate at the demarcation point at the second customer location. Customers use EVCs if they desire traffic segregation, but EVCs will not provide for traffic prioritization. EVCs may be ordered to establish additional virtual connections over the same physical connection. When EVCs are ordered, the customer must designate the amount of bandwidth to be assigned to each EVC. EVCs can be set in 1 Mbps increments from 5 Mbps to 1 Gbps.

Repeater

For those customers who are located outside normal transmission parameters, service can be provided using a repeater to be placed in Company wire centers. An engineering study will be completed to ensure transmission parameters can be met using a repeater, and the Company will determine when Repeaters are necessary. Additional charges will apply. Provisioning of CSME Service is subject to the availability and operational limitations of the equipment and associated facilities.

Meet-Point Billing Options

Meet-Point is available in two configurations:

Direct LEC Connection is provisioned using a standard CSME Connection, plus Mileage. The mileage is measured in airline miles from the CSME switch location to the ILEC (ICO) meet-point location.

GigE ICO Trunking Arrangement applies an ICO Trunk Connection Charge between the CSME switch location and the ICO meet-point location that is shared with the ILEC (ICO) Ethernet switch. The ICO Trunk Connection Charge is applied to each customer Ethernet Virtual Connection (EVC) that is transported on the GigE trunk backbone to the ICO meet-point. The ICO Trunk Mileage charge is applicable to each customer Ethernet Virtual Connection (EVC) transported across the GigE trunk when mileage exceeds 10 miles. Mileage is calculated from the CSME switch location to the ICO meet-point location.

/1/

CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

/1/

D. Technical References

The customer interface to CSME Service is as specified in:

| <u>Subject</u> | <u>Technical Reference</u> |
|---------------------------------------|----------------------------|
| Ethernet Standards | SBC TP-76412 |
| Network Equipment Design Requirements | SBC TP-76200MP |

These publications may be obtained from:

APEX Support Team
(734) 523-7348

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/1/ Material formerly appeared on Part 6, Section 9, Sheet 30.

CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

/3/

E. Prices

1. Service Elements

| <u>Description</u> | <u>Nonrecurring Charge</u> | <u>Monthly Payment Term Payment Plans</u> | | <u>Monthly Extension</u> |
|---|----------------------------|---|--------------------------------|--------------------------|
| | | <u>36 Months</u> | <u>60^{/2/} Months</u> | |
| Usage, Port, Transport, Interface, each customer location | | | | |
| 10 Mbps Connection /P9FYX/ | \$1,600.00 | \$1,170.00 | \$1,100.00 | \$1,550.00 |
| - Subsequent 10 Mbps Connection ^{/1/} /P9FZX/ | 1,150.00 | 950.00 | 800.00 | 1,200.00 |
| 100 Mbps Connection /P9FKX/ | 1,925.00 | 1,665.00 | 1,600.00 | 2,500.00 |
| - Subsequent 100 Mbps Connection ^{/1/} /P9FPX/ | 1,200.00 | 1,200.00 | 1,025.00 | 1,560.00 |
| 1 Gbps /P9FLX/ | 2,500.00 | 3,220.00 | 3,080.00 | 3,900.00 |

/1/ Any Subsequent 10 Mbps or 100 Mbps Connections must terminate at the same locations as the original 10 Mbps or 100 Mbps Connections.

/2/ Effective November 15, 2013, customers may not establish new term plans greater than 36 months for CSME Service, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

/3/ Material formerly appeared on Part 6, Section 9, Sheet 31.

/3/

CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

/2/

E. Prices (cont'd)

1. Service Elements (cont'd)

| <u>Description</u> | <u>Nonrecurring Charge</u> | Monthly Payment Term Payment Plans | | <u>Monthly Extension</u> |
|-----------------------------------|----------------------------|---------------------------------------|--------------------------------|--------------------------|
| | | <u>36 Months</u> | <u>60^{/1/} Months</u> | |
| <i>Optional Charges</i> | | | | |
| Repeater | | | | |
| - each /VU4/ | \$250.00 | \$400.00 | \$375.00 | \$475.00 |
| <u>Description</u> | | <u>Nonrecurring Charge</u> | | <u>Monthly Price</u> |
| Ethernet Virtual Connection (EVC) | | | | |
| - per connection /EVNDE/ | | \$70.00 | | \$25.00 |
| Additional MAC Addresses | | | | |
| - 151 - 200 MAC addresses /M2CAX/ | | 70.00 | | 5.00 |

/1/ Effective November 15, 2013, customers may not establish new term plans greater than 36 months for CSME Service, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

/2/ Material formerly appeared on Part 6, Section 9, Sheet 32.

/2/

CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

/3/

E. Prices (cont'd)

1. Service Elements (cont'd)

| <u>Description</u> | <u>Nonrecurring Charge</u> | <u>Monthly Price</u> |
|---|--|----------------------------------|
| <i>Optional Charges (cont'd)</i> | | |
| Meet-Point Billing Options | | |
| - Direct LEC Connection, Mileage | | |
| Above 0 and inclusive of 10 miles | \$1,200.00 | \$500.00 |
| Above 10 and inclusive of 25 miles | 1,200.00 | 1,000.00 |
| Above 25 and inclusive of 35 miles | 1,200.00 | 1,500.00 |
| Above 35 and inclusive of 50 miles | 1,200.00 | 2,500.00 |
| <div> <div>Monthly Payment</div> <div>Term Payment Plans</div> <div>36</div> <div>60^{/2/}</div> <div>Months</div> <div>Months</div> </div> | | |
| <u>Description</u> | <u>Nonrecurring Charge^{/1/}</u> | <u>Monthly Extension</u> |
| - GigE ICO Trunking Arrangement | | |
| ICO Trunk Connection Charge, per EVC | | |
| 10 Mbps | \$525.00 | \$420.00 \$360.00 \$660.00 |
| 100 Mbps | 800.00 | 840.00 720.00 1,290.00 |
| 1 Gbps | 1,100.00 | 4,830.00 4,100.00 7,360.00 |

/1/ Nonrecurring charges will be waived for those customers selecting the 36 or 60^{/2/} month Term Payment Plan (TPP) period for new service.

/2/ Effective November 15, 2013, customers may not establish new term plans greater than 36 months for CSME Service, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

/3/ Material formerly appeared on Part 6, Section 9, Sheet 33.

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CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

/1/

E. Prices (cont'd)

1. Service Elements (cont'd)

| <u>Description</u> | <u>Monthly Price</u> |
|--|----------------------|
| <i>Optional Charges (cont'd)</i> | |
| Meet-Point Billing Options (cont'd) | |
| - GigE ICO Trunking Arrangement (cont'd) | |
| ICO Trunk Mileage, per EVC | |
| Above 0 and inclusive of 10 miles | N/A |
| Above 10 and inclusive of 25 miles | |
| 10 Mbps | \$170.00 |
| 100 Mbps | 375.00 |
| 1 Gbps | 1,500.00 |
| Above 25 and inclusive of 35 miles | |
| 10 Mbps | 270.00 |
| 100 Mbps | 675.00 |
| 1 Gbps | 1,750.00 |
| Above 35 and inclusive of 50 miles | |
| 10 Mbps | 410.00 |
| 100 Mbps | 1,100.00 |
| 1 Gbps | 2,000.00 |

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/1/ Material formerly appeared on Part 6, Section 9, Sheet 34.

CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

/1/

E. Prices (cont'd)

1. Service Elements (cont'd)

| <u>Description</u> | <u>Nonrecurring Charge</u> |
|---|----------------------------|
| <i>Optional Charges (cont'd)</i> | |
| Service Order Cancellation - per location /OCGEO/ | \$200.00 |
| Expedite Order Charge - per location /EODEO/ | 300.00 |
| Service Order Change Charge - applies to Bandwidth Usage Changes, EVC Changes and Configuration Changes for pending, initial service orders, per location /NHCEO/ | 75.00 |
| Miscellaneous Change Charge - applies to Bandwidth Usage Changes, EVC Changes and Configuration Changes for subsequent changes to existing service, per location /NHCEN/ | 100.00 |

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/1/ Material formerly appeared on Part 6, Section 9, Sheet 35.

CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

/2/

E. Prices (cont'd)**2. Payment Plans****- Term Payment Plans**

CSME Service is only available under the Term Payment Plan (TPP) whereby customers must select either a 36- or 60^{/1/}-month period. Decreases in CSME monthly recurring charges will be passed onto customers who participate in a TPP. After the selected Term Payment Plan period is satisfied, the Monthly Extension Price in effect at the time of contract expiration will apply unless a new TPP is selected. Refer to *Term Payment Plans* in Part 2, Section 3.

- Single Payment Option (SPO)

A single payment option is available for this service. Refer to *Term Payment Plans* in Part 2, Section 3 for calculating Single Payment Options.

3. Termination Charges

Termination Charges will apply to service terminated prior to the contracted period. In addition to any unpaid Special Construction or nonrecurring charges (excluding any waived charges), Termination Charges will be equal to:

- 50 percent (50%) of all recurring charges for the remaining months of the customer's term

/1/ Effective November 15, 2013, customers may not establish new term plans greater than 36 months for CSME Service, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

/2/ Material formerly appeared on Part 6, Section 9, Sheet 36.

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CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

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E. Prices (cont'd)**3. Termination Charges (cont'd)**

Customers may move their existing service to a new location without incurring Termination Charges provided all of the following conditions are met:

- The customer maintains the existing TPP at the new location or establishes a new TPP equal to or greater than the old location;
- During the TPP, a customer may move a CSME Service location to another premises in the same LATA and keep the TPP in force without assessment of Termination Charges, provided no lapse in billing occurs;
- The customer's request for disconnect at the existing location and the request for service at the new location are received at the same time, and the customer's disconnect order for the existing service references the new connect order for the new service;
- Moves of one location to a premise in a different serving office may result in a change in the monthly charges. Nonrecurring charges as appropriate are applicable;
- If the customer moves more than one location of the service concurrently, the customer will be liable for Termination Charges, as this is considered a complete disconnect of the service.

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/1/ Material formerly appeared on Part 6, Section 9, Sheet 37.

CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

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E. Prices (cont'd)**3. Termination Charges (cont'd)**

Customers will be permitted to upgrade from CSME Service to a higher-speed service provided by the Company, without incurring Termination Charges, given all of the following conditions are met:

- An upgrade is considered an increase in speed or capacity when comparing CSME Service to the new service.
- The customer must issue a disconnect order for the existing CSME locations and place a service order for the new higher-speed service at the same locations such that there is no more than 90 days overlap in service. Termination Charges for CSME Service at the current locations will be waived.
- The term of the new higher-speed service contract must be equal to or greater than the remaining time left on the existing CSME contract.
- The existing CSME Service must have been in service for a minimum period of 15 months for a 3-year contract or 18 months for a 5-year contract.
- For customers upgrading from CSME to OPT-E-MAN® Service, the customer's network configuration must remain the same (i.e. multipoint CSME to multipoint OPT-E-MAN). The number of OPT-E-MAN locations must be greater than or equal to the number of CSME locations.
- For customers upgrading from CSME to OPT-E-MAN Service, a minimum of 50% of the connection speed for each individual connection must be maintained:
 - If customer has a 1 Gbps CSME connection, then customer must purchase a minimum 500 Mbps OPT-E-MAN connection
 - If customer has a 100 Mbps CSME connection, then customer must purchase a minimum 50 Mbps OPT-E-MAN connection
 - If customer has a 10 Mbps CSME connection, then customer must purchase a minimum 5 Mbps OPT-E-MAN connection

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/1/ Material formerly appeared on Part 6, Section 9, Sheet 38.

CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

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E. Prices (cont'd)**3. Termination Charges (cont'd)**Migration to AT&T Switched Ethernet ServiceSM

Customers subscribing to CSME Service may migrate to AT&T Switched Ethernet Service provided by the Company without incurring termination liability, subject to the following conditions:

- The new AT&T Switched Ethernet Service and the existing CSME Service must be billed to the same customer of record at the same customer locations.
- The customer's existing service must have been in place for at least 12 months.
- The minimum term for the new service must be at least 12 months and must be equal to or greater than the number of months remaining in the customer's existing Term Payment Plan (TPP) term.
- The speed (capacity/bandwidth) of the new service must be equal to or greater than that of the existing service.
- The customer must issue a disconnect order for the replaced CSME Service to be effective within 90 days after the AT&T Switched Ethernet Service installation date. The disconnect and new orders must be coordinated through the Company.
- If overlapping service is required, the period will be limited to not more than 90 days and will apply to both services during the time both services are available.

SM AT&T Switched Ethernet Service is a service mark of AT&T Intellectual Property
/1/ Material formerly appeared on Part 6, Section 9, Sheet 39.

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CUSTOMIZED SWITCHED METRO ETHERNET (CSME) SERVICE (cont'd)

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E. Prices (cont'd)**4. Credit Allowance**

In case of an interruption to service, allowance for the period of interruption, if not due to the negligence of the customer or the customer's end user, shall be as follows: no credit shall be allowed for an interruption of less than 10 seconds. The customer shall be credited for an interruption of 10 seconds or more as follows: the credit shall be at the rate of 10/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues. The credit allowance(s) for service interruptions shall not exceed 100% of the applicable monthly rates.

The Company will be excluded from providing a Credit Allowance should any of the following conditions occur:

- Force majeure events such as, but not limited to, an earthquake, hurricane, flood, fire, storms, tornadoes, explosion, lightning, power surges or failure, fiber cuts, strikes or labor disputes, acts of war, civil disturbances, acts of civil or military authorities or public enemy, governmental orders, civil commotion, criminal actions taken against the Company, acts of God and other circumstances beyond the Company's reasonable control.
- The failures of any components beyond the local facility including the Network Interface (NI), the CSU/DSU/Channel band/Extended Demarcation are excluded from the service outage calculation.
- Data loss during the Company's scheduled maintenance window.
- Failures attributed to facilities or equipment provided by customer or its contractors, equipment vendors, another local exchange carrier or inter-exchange carrier.

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/1/ Material formerly appeared on Part 6, Section 9, Sheet 40.