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September 28, 2020
AT&T California (U 1001 C)
Advice Letter No. 48533

Public Utilities Commission of the State of California
Advice Letter Coordinator, Communications Division
505 Van Ness Avenue
San Francisco, CA 94102
Re: Compliance Filing for NG 9-1-1 Emergency Services

Pursuant to, and in compliance with Decision 20-08-037, AT&T California (U-1001-C) submits this Advice Letter to make changes to its intrastate Network and Exchange Services Tariff to add Schedule No. C.P.U.C. No. A21. NG 9-1-1 Transport Services. This filing also modifies Schedule Cal. P.U.C. No. 175-T Access Service to clarify that services purchased for the purpose of transporting "NG 9-1-1" calls in the State of California must be purchased from Schedule Cal. C.P.U.C. No A21.

This filing will not increase in rates, cause the withdrawal of service or conflict with other schedules or rules.

This advice letter is submitted as a Tier I filing in accordance with General Order 96-B and Decision 20-08-037. AT&T California requests that this advice letter become effective on September 28, 2020.

Included in this filing is the following tariff sheets:

SCHEDULE CAL.P.U.C. NO. A	SCHEDULE CAL.P.U.C. NO. A2
19th Revised Table of Contents Sheet D	8th Revised Sheet 39.1 10th " " 59
SCHEDULE CAL.P.U.C. NO. 175-T	SCHEDULE CAL.P.U.C. NO. A21
13th Revised Sheet 279	Original Sheets 1 through 114

In compliance with General Order 96-B, we are serving a copy of this advice letter via email upon the parties identified on the attached CPUC Advice Letter Service List for "Changes in rates, terms and conditions of service, or installation of new service" as well as others who have requested such notification. If there are any questions regarding the distribution of this advice letter, call 415.417.5033.

AT&T

Anyone may object to this advice letter, which was submitted on September 28, 2020, by sending a written protest to: Telecommunications Advice Letter Coordinator, Communications Division, 505 Van Ness Avenue, 3rd Floor, San Francisco, CA 94102-3298, or via email to: TD_PAL@cpuc.ca.gov. The protest must state specifically the grounds on which it is based. The protest must be received by the Telecommunications Advice Letter Coordinator no later than 20 days after the date that the advice letter was submitted. On or before the day that the protest is sent to the Telecommunications Advice Letter Coordinator, the protestant must send a copy of the protest to Fossil Fenikile, 430 Bush Street, 5th Floor, San Francisco, CA 94108. If this advice letter was served via email, the protest must be served to AT&T California via email at att-regulatory-ca@att.com. To obtain information about the Commission's procedures for advice letters and protests, go to the Commission's Internet site (www.cpuc.ca.gov) and look for document links to General Order 96-B.

Respectfully Submitted,

A handwritten signature in black ink that reads "Fossil Fenikile". The signature is written in a cursive, flowing style.

Assistant Vice President, Regulatory Affairs
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Commission-Maintained Service List for “Changes in rates, terms and conditions of service, or initiation of new service” found at:

<https://ia.cpuc.ca.gov/als/exportlist.aspx?listid=1>

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NETWORK AND EXCHANGE SERVICES

A2. GENERAL REGULATIONS

2.1 RULES (Cont'd)

2.1.3 RULE NO. 3 - APPLICATION FOR SERVICE (Cont'd)

A. GENERAL (Cont'd)

3. The Company shall require each applicant for election service, and may require each other applicant, to sign an application for the service desired, on a filed form provided by the Company, as a condition precedent to the initial establishment of such service.

For nonelection services, the Company may utilize an "on line" authorization service for verifying changes or additions to listings as they are to appear in the Company's telephone directory.

4. The Company will generally accept oral application(s) from a customer for new service, transfers of service, additions to or changes in the existing service of such customer during normal business hours, except that third party authorization will be required where joint user service or directory listings in connection with business service are requested.

5. Customers shall notify the Company when they re-terminate service that is on their side of the demarcation point to another part of a building or to another building on continuous property. Once notified, the Company will update the customer's directory listing. Charges as set forth in Guidebook Part 3, Section 1 shall apply.

6. In order to prevent the fraudulent establishment of business telephone service, the Company may request an applicant for business service to provide proof of doing business at the service location and/or permission from the property owner for the applicant to establish a business telephone service at the location.

7. In addition to the regulations contained in A., herein, the following applies to OPT-E-MAN, Customized Switched Metro Ethernet (CSME) Service², Centrex, Electronic Information Services, Inside Wire Repair Services, Integrated Pathway Service, Message Telecommunications Service, Operator and Directory Services, Pacific Bell/ SBC Calling Service, Remote LAN (Local Area Network) Service, Toll-Free Services and Voice-Based Information Services¹, AT&T Switched Ethernet Service^{SM3} and NG 9-1-1 High Capacity Service³: (N)

- Applications for these services will be accepted by Company provided that the service is available and the Company has no reason to believe applicant will not comply with the provisions of the regulations. The Company, on its sole discretion, shall offer these services in locations where technical capabilities exist and market conditions warrant. (T)

NOTE 1: Services in this paragraph are found in the AT&T California Guidebook.

NOTE 2: Effective November 30, 2018, CSME Service is grandfathered. See AT&T California Guidebook, Part 20, Section 6.

NOTE 3: Services in this paragraph are found in Section A21.3 and A21.4. (N)

Continued

NETWORK AND EXCHANGE SERVICES

A2. GENERAL REGULATIONS

2.1 RULES (Cont'd)

2.1.7 RULE NO. 7 - ADVANCE PAYMENTS AND DEPOSITS

A. ADVANCE PAYMENTS

1. An applicant for business service or residence service may be required to pay in advance of installation an advance payment for service and equipment ordered.
2. Existing business customers or residence service customers who apply for additional service or equipment, or changes in their existing service or equipment, may be required to make advance payments as described preceding.
3. For the following services, please see Advanced Payments and Deposits requirements in the Guidebook, Part 2, Section 2, Rule No. 7:

OPT-E-MAN, Customized Switched Metro Ethernet (CSME) Service², Centrex, Electronic Information Services, Inside Wire Repair Services, Integrated Pathway Service, Message Telecommunications Service, Operator and Directory Services, Pacific Bell/SBC Calling Services, Voice-Based Information Services, Remote LAN (Local Area Network) Service, Asynchronous Transfer Mode (ATM) Service and Frame Relay Service¹.

For the following services, please see Payment Arrangements and Credit Allowances requirements in Schedule Cal.P.U.C. No. 175-T, Section 2.4:

NG 9-1-1 High Capacity Service³

(N)
|
(N)

NOTE 1: Services in this paragraph are found in the AT&T California Guidebook.

NOTE 2: Effective November 30, 2018, CSME Service is grandfathered. See AT&T California Guidebook, Part 20, Section 6.

NOTE 3: Service in this paragraph is found in A21.4.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

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NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.1 DEFINITIONS

(N)

9-1-1 Authority means the California Department of Emergency Services (CalOES); a municipality or other state or local governmental unit to whom authority has been lawfully granted and is legally authorized to procure the service and have public safety responsibility by law to respond to telephone calls from the public for emergency police, fire or other emergency services; or a Public Safety Answering Point (PSAP).

9-1-1 Call(s) means a voice call or VoIP session initiated by an End User dialing or entering "911" (and as necessary, pressing the "send" or analogous transmitting button or action) on a device capable of originating voice or VoIP calls.

NG 9-1-1 Call Routing Platform means an IP-enabled system used to determine the appropriate routing of a 9-1-1 call from an OSP to the appropriate PSAP.

NG 9-1-1 Service Provider means an entity holding a Certificate of Public Convenience and Necessity (CPCN) contracted with the State of California Office of Emergency Services (CalOES) to provide Next Generation 911 call routing services to the PSAPs in their jurisdictional serving areas within the State of California. An NG 9-1-1 Service Provider can be either Regional or Prime as designated by CalOES.

Originating Service Provider (OSP) means an entity that provides dial tone or equivalent services to End Users, which services allow the End User the ability to make outgoing 9-1-1 Calls.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.2 GENERAL REGULATIONS FOR NG 9-1-1 TRANSPORT SERVICES

(N)

21.2.1 General

- A. The Services provided in this tariff can be purchased only by the following entities (as defined in this tariff) for the sole purpose of transporting 9-1-1 calls within the State of California:
- **Originating Service Providers (OSPs)** to transport their own end-user 9-1-1 traffic to a NG 9-1-1 Service Provider;
 - **NG 9-1-1 Service Providers** to transport 9-1-1 traffic received from OSPs to Public Safety Answering Points (PSAP) using a NG 9-1-1 call routing platform; or
 - **9-1-1 Authorities** to transport 9-1-1 calls between and among PSAPs using a NG 9-1-1 call routing platform.
- B. Applicable to 9-1-1 High Capacity Service furnished by Pacific Bell over facilities wholly within the State of California. While the tariff sheets act as a contract for 9-1-1 High Capacity Service or AT&T Switched Ethernet ServiceSM, the Customer and/or the Company may nonetheless desire to execute a written agreement for the provision of such service. This tariff does not prohibit Customer and Company from executing such agreements.
- C. Rates, terms, conditions, and other deviations are available on an ICB basis, including but not limited to the California Department of Technology's CALNET Program, which can be found at CDT.ca.gov/services/calnet/.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.2 GENERAL REGULATIONS FOR NG 9-1-1 TRANSPORT SERVICES (Cont'd)

(N)

21.2.2 Rules

Rule 1 through Rule 44 described in Section A2. apply to NG 9-1-1 High Capacity Service and AT&T Switched Ethernet Service unless specified below:

RULE 1 - Definition of Terms

See additional product-specific definitions in A21.0, A21.1 A21.3 and A21.4.

RULE 2 - Description of Service

See product-specific service descriptions in A21.3 and A21.4.

RULE 3 - Application For Service

See product-specific Application for Service regulations in A21.3 and A21.4.

RULE 4 - Contracts

AT&T Switched Ethernet Service and NG 9-1-1 High Capacity Service are available under a Payment Plan as described in A21.3 and A21.4.

RULE 5 - Special Information Required on Forms

See A21.3 for product-specific AT&T Switched Ethernet Service regulations on Late Payment Charges, Deposits, Interest and other Billing-specific terms and conditions.

RULE 6 - Establishment and Re-establishment of Credit

See product-specific Credit Establishment regulations in A21.3 and A21.4.

RULE 7 - Advance Payments and Deposits

See product-specific Billing and deposit regulations for AT&T Switched Ethernet Service in A21.3.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.2 GENERAL REGULATIONS FOR NG 9-1-1 TRANSPORT SERVICES (Cont'd)

(N)

21.2.2 Rules (Cont'd)

RULE 9 - Rendering and Payment of Bills

See product-specific Payment regulations for AT&T Switched Ethernet in A21.3.

RULE 13 - Temporary Service, Speculative Projects and Risk Services

Does not apply to AT&T Switched Ethernet Service (A21.3) or NG 9-1-1 High Capacity Service (A21.4).

RULE 14 - Limitation of Liability

In addition, see Service Level Agreements (SLAs) credits for AT&T Switched Ethernet Service in A21.3 and Credit Allowance for Service Interruptions for NG 9-1-1 High Capacity Service in A21.4.

RULE 15 - Line Extensions

In addition, see Special Construction provisions in A21.3 and A21.4.

RULE 16 - Service Connections and Facilities on Customer's Premises

In addition, see Special Construction provisions in A21.3 and A21.4.

RULE 17 - Telephone Directories, Listings and Numbers

Does not apply to AT&T Switched Ethernet Service (A21.3) or NG 9-1-1 High Capacity Service (A21.4).

RULE 32 - Facilities to Provide Replacement of Aerial with Underground Facilities

In addition, see Special Construction provisions in A21.3 and A21.4.

RULE 36 - Special Construction of Exchange Facilities

In addition, see Special Construction provisions in A21.3 and A21.4.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM

(N)

AT&T Switched Ethernet Service is a switched Ethernet transport service providing Ethernet transport functionality using fiber and or copper facilities and a switched Ethernet core network.

The AT&T Switched Ethernet Service Guide consists of the following Parts:

- Service Description (SD)
- Service Level Agreements (SLAs)
- Pricing (P)

Service Description (SD)

SD-1 General

SD-1.1 Overview

AT&T Switched Ethernet Service is a switched Ethernet transport service providing Ethernet transport functionality using fiber and copper facilities and a switched Ethernet core network. AT&T Switched Ethernet Service provides a port with full duplex transport of data signals between a Customer's premises and an Ethernet switch in an AT&T central office which then may be interconnected with other ports.

AT&T Switched Ethernet Service supports point-to-point, point-to-multipoint or multipoint-to-multipoint configurations. Point-to-point service provides a connection between two ports. Point-to-multipoint service provides multiple point-to-point connections to multiple ports in the AT&T Switched Ethernet network. Multipoint-to-multipoint service provides a connection between three or more designated ports on the AT&T Switched Ethernet Service network. AT&T shall determine the interface specifications for AT&T Switched Ethernet Service in its sole discretion.

AT&T Switched Ethernet Service is provided by Pacific Bell Telephone Company.

The Service provided in this tariff can be purchased only by the following entities (as defined in this tariff) for the sole purpose of transporting 9-1-1 calls within the State of California:

- **NG 9-1-1 Service Providers** to transport 9-1-1 traffic received from OSPs to Public Safety Answering Points (PSAP) using a NG 9-1-1 call routing platform; or
- **9-1-1 Authorities** to transport 9-1-1 calls between and among PSAPs using a NG 9-1-1 call routing platform.

Applicable to AT&T Switched Ethernet Service furnished by Pacific Bell over facilities wholly within the State of California. While the tariff sheets act as a contract for 9-1-1 High Capacity Service, the Customer and/or the Company may nonetheless desire to execute a written agreement for the provision of such service. This tariff does not prohibit Customer and Company from executing such agreements.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.2 Definitions

As used in this Service Guide, the following terms are defined as appears below:

"AT&T" means Pacific Bell Telephone Company.

"Customer" means any individual, partnership, association, joint-stock company, trust, corporation, governmental entity, or any other entity which subscribes to the services offered under this Service Guide, including both wholesale customers and end user customers of AT&T.

"Customer's premises" and "Customer location" (or similar terms) means the location at which the service is terminated. A Customer's premises or Customer location can be an end user's premises, including where the Customer is a wholesale Customer and service is terminated at the premises of an end user that is not AT&T's Customer. AT&T's Ethernet switch in an AT&T central office is not a Customer's premises or Customer location.

"End User" means any customer of a telecommunications service that is not a carrier, except that a carrier shall be deemed to be an "end user" when such carrier uses a telecommunications service for administrative purposes, and a person or entity that offers telecommunications services exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premises of such reseller.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.3 Reserved for future use

SD-1.4 Ordering

SD-1.4.1 Order Charges

An Order Charge (also known as an Administrative Charge) applies, per order, for the installation, addition, change, rearrangement, or move of services provided in this Service Guide (in addition to other applicable service charges), including the following situations:

- An Order Charge will apply per order when a Customer elects to have existing services billed under a payment plan or elects to renew/re-term a payment plan; and
- An Order Charge will apply per order for order cancellations.

An Order Charge will not apply in the following situations:

- Non-chargeable administrative changes where so specified in this Service Guide; or
- Where another charge applies to a particular type of change (such as Service Date Change Charge or Service Date Change Dispatch Charge).

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.4 Order Charges (Cont'd)

SD-1.4.2 Design Change Charge

The Customer may request a design change to an Order for AT&T Switched Ethernet Service. A design change is any change to an order which requires engineering review. An engineering review is a review by AT&T personnel of the service ordered and the requested changes to determine what change in the design, if any, are necessary to meet the changes requested by the Customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of port configuration, type of channel interface, type of Class of Service, Committed Information Rate, or technical specification package. Design changes do not include a change of Customer's premises, end user premises, Ethernet serving switch, port speed, or port speed type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

AT&T will review the requested change and notify the Customer whether the change is a design change, if it can be accommodated, and if a new service date is required. If a change of service date is required, the Service Date Change Charge will also apply.

The Design Change Charge will apply on a per order per occurrence basis, for each order requiring a design change.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.4 Order Charges (Cont'd)

SD-1.4.3 Service Date Change Charge/Dispatch Charge

If a Customer is unable to accept Service on the original due date, the Customer may issue one or more supplements to an order to change the original due date to a date no more than 120 calendar days after the original due date. When such requests are made, AT&T will accordingly delay the start of Service and the Customer will incur a Service Date Change Charge. The first supplement to the order must be received by AT&T on or before 30 calendar days after the original due date.

If a Customer issues a supplement to an order to extend the original due date but is unable to accept Service within 121 calendar days after the original due date, one of the following will apply:

- If Service has not been fully provisioned, AT&T will cancel the order on the 121st calendar day after the original due date and the charges specified will apply; or
- If Service has been fully provisioned, AT&T will begin billing for the Service on the 121st calendar day after the original due date.

If a Customer is unable to accept Service within 31 calendar days after the original due date, and AT&T has not received a supplement to the order to extend the due date within 30 calendar days after the original due date, AT&T may cancel the order on the 31st calendar day after the original due date and charges specified below will apply. If Service has been fully provisioned, AT&T alternatively may begin billing for the Service on the 31st calendar day after the original due date. For purposes of this Section, Service has been "fully provisioned" once a Customer Port Connection has been installed and is ready for use, including its associated Committed Information Rate (CIR) and Class of Service (CoS). Ethernet Virtual Channels (EVCs) associated with a Customer Port Connection may be ordered either at the same time as the Customer Port Connection or subsequently.

If an AT&T technician is dispatched to the Customer's premises on the scheduled service date and the Customer is not ready to accept Service or the Customer has failed to notify AT&T before 3:00 PM (CT) on the business day prior to the scheduled service date that the service date needs to be changed, a Service Date Change Charge will apply, in addition to the Service Date Change Dispatch Charge.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.4 Order Charges (Cont'd)

SD-1.4.4 Cancellation Charges

A Customer may cancel an order for the installation of Service at any time prior to notification by AT&T that Service is available for the Customer's use. The Cancellation Date is the date AT&T receives written notice from the Customer that the order is to be cancelled.

When a Customer cancels an order for a new AT&T Switched Ethernet Service Customer Port Connection, cancellation charges will apply, even when nonrecurring installation charges would otherwise be waived. Applicable cancellation charges will be calculated based on the number of calendar days between AT&T's receipt of the order and the Cancellation Date. A cancellation charge will apply on a per Port Connection basis as shown in the table below:

Cancellation Charge For AT&T Switched Ethernet Service	
Cancellation Date - Calendar Days after Receipt of Order	Cancellation Charge (Per Port Connection)
0-30	\$0.00
31-60	\$2,000.00
61+	\$3,000.00

SD-1.4.4.1 When Cancellation Charges Do Not Apply

Cancellation charges do not apply under the following circumstances:

- (1) If AT&T misses a service due date by more than 30 days due to circumstances over which it has direct control (excluding, e.g., Force Majeure conditions);
- (2) If an order is cancelled because the Customer does not agree to pay applicable Special Construction charges as described in Section SD-4.11.
- (3) If AT&T requests that the Customer cancel and re-submit an order; or
- (4) If the Customer cancels an order and, within 90 days after the cancellation date of that order, submits a new order for Service to the same service address with bandwidth equal to or greater than the bandwidth requested in the cancelled order. Customer may be required to submit a claim for a credit for or reversal of the cancellation charge, in order to establish that the new order is related to the cancelled order and meets the criteria specified above.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.4 Order Charges (Cont'd)

SD-1.4.5 Reserved for future use

SD-1.4.6 Reserved for future use

SD-1.4.7 Expedite Request Charge

If wholesale Customers request an improved Service due date (an Expedite Request), AT&T will review each individual Expedite Request and, in its sole discretion, determine if the due date can be improved. Not all requests will result in a due date improvement. Each Expedite Request will result in an Expedite Order Charge even if the due date is not improved. An Expedite Request should not be sent before an original due date has been established.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.5 Billing

SD-1.5.1 Deposits

AT&T will, in order to safeguard its interests, only require a Customer which has a proven history of late payments to AT&T or does not have established credit to make a deposit prior to or at any time after the provision of Service to the Customer to be held by AT&T as a guarantee of the payment of rates and charges.

AT&T will notify the Customer of a deposit requirement by Certified Mail or Overnight Delivery. The Customer will be required to make payment of such deposit prior to the provision of new Service in those cases where the Customer has not established credit with AT&T, or otherwise within fifteen (15) business days of such notice for Customers with existing Services. Such notice period will start the day after the notice is rendered by Certified Mail or Overnight Delivery. If the Customer fails to pay the deposit by the due date, as described above, AT&T may send the Customer a written notice by Overnight Delivery stating that if the deposit is not received within 15 calendar days of the original deposit due date, AT&T may refuse additional applications for Service or discontinue the provision of Services.

No such deposit will be required of a Customer which is a successor of a Company which has established credit and has no history of late payments to AT&T. Such deposit may not exceed the actual or estimated rates and charges for the Service for a two-month period. The fact that a deposit has been made in no way relieves the Customer from complying with AT&T's conditions as to the prompt payment of bills. At such time as the provision of Service to the Customer is terminated, the amount of the deposit will be credited to the Customer's account, and any credit balance which may remain will be refunded.

Such a deposit will be refunded or credited to the Customer's account when the Customer has established credit or, in any event, after the Customer has established a one-year prompt payment record at any time prior to the termination of the provision of Service to the Customer. In the case of a cash deposit, for the period that AT&T holds the deposit, the Customer will receive simple interest at rates shown in the Deposit Interest Rate Table below. The rate will be calculated from the date AT&T receives the Customer's deposit up to and including the date such deposit is credited to the Customer's account or the date AT&T refunds the deposit. Should AT&T credit a deposit to the Customer's account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the Customer's account.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.5 Billing (Cont'd)

SD-1.5.1 Deposits (Cont'd)

In the event the provision of all service to the Customer is terminated and AT&T maintains a cash deposit from the Customer, the deposit and any accrued, uncredited interest will be applied to any outstanding sums owed to AT&T, and any remaining balance will be returned to the Customer.

Deposit Interest Rate Table	
State	Deposit Interest Rate
CA	The Customer will receive simple interest at the rate of 1.5 percent per month (18% per year) for each month or portion thereof that a deposit is held.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.5 Billing (Cont'd)

SD-1.5.2 Payment of Rates and Charges

AT&T shall bill on a current basis all charges incurred by and credits due to the Customer attributable to Services established or discontinued during the preceding billing period. In addition, AT&T shall bill in advance charges for all Services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government which will be billed in arrears.

All bills are due when rendered and shall be paid no later than one month of the bill date, or by the next bill date, whichever is sooner.

Further, if AT&T receives any portion of the payment after the payment due date, or if AT&T receives any portion of the payment in funds which are not immediately available to AT&T, then a late payment charge may be due to AT&T. A late payment charge will apply to the unpaid balance less disputed amounts when AT&T receives any portion of the payment after the payment due date or if any portion of the payment is made in funds which are not immediately available to AT&T.

The late payment charge shall be the portion of the payment not received by the payment due date times a late factor. The late factor shall be simple interest as shown in the Late Payment Charge Table below.

Late Payment Charge Table	
State	Late Payment Charge
CA	The late payment charge shall be calculated at 1.5% per month or portion thereof for the period from the due date until the payment is received.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.5 Billing (Cont'd)

SD-1.5.3 Billing Disputes

In the event that a billing dispute occurs concerning any charges AT&T billed to the Customer, the following conditions will apply.

A good faith dispute requires the Customer to provide a written claim to AT&T. Instructions for submitting a dispute can be obtained by calling the billing inquiry number shown on the Customer's bill. Such claim must identify in detail the basis for the dispute, the account number under which the bill has been rendered, the date of the bill, and the specific items on the bill being disputed, with the dispute date being the date on which the Customer furnishes AT&T all of the aforementioned information to permit AT&T to investigate the merits of the dispute.

The date of resolution shall be the date on which AT&T completes its investigation and credits the disputed amount to the Customer's bill, if the dispute is resolved in the Customer's favor.

If the dispute is decided to be in favor of AT&T, then the resolution date will be the date upon which a written decision on the dispute is sent to the Customer.

If the dispute is resolved in favor of AT&T and the Customer has paid the disputed amount on or before the payment due date, no credits or late payment charges will apply to the disputed amount.

If the dispute is resolved in favor of AT&T and the Customer has withheld the disputed amount, any payments withheld pending settlement of the dispute shall have a late payment charge determined and applied at interest rates as set forth in the Late Payment Charge Table above.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.5 Billing (Cont'd)

SD-1.5.3 Billing Disputes (Cont'd)

If the dispute is resolved in favor of the Customer and the Customer has withheld the disputed amount, no credits or late payment charges will apply to the disputed amount and the Customer will receive a credit equal to the overcharged amount.

If the dispute is resolved in favor of the Customer and the Customer has paid the disputed amount, the Customer will receive an interest credit from AT&T. The interest credit shall be calculated based upon the portion of the disputed amount resolved in the Customer's favor multiplied by the interest rate shown in the Interest Credit Table below:

Interest Credit Table	
State	Interest Credit
CA	1.5% per month or portion thereof

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-1 General (Cont'd)

SD-1.5 Billing (Cont'd)

SD-1.5.4 Other Charges, Taxes, and Fees

Rates and charges set forth in this Service Guide are exclusive of and Customer will pay all taxes (excluding those on AT&T's net income), surcharges, recovery fees, customs clearances, duties, levies, shipping charges, and other similar charges (and any associated interest and penalties resulting from Customer's failure to timely pay such taxes or similar charges) relating to the sale, transfer of ownership, installation, license, use, or provision of Services provided by AT&T, except to the extent Customer provides a valid exemption certificate prior to the delivery of Services.

Cost Assessment Charge

A Cost Assessment Charge (CAC) is assessed on a percentage basis against all billed revenue for business customers subscribing to AT&T Switched Ethernet Service. The CAC is established to recover property taxes. This charge is not a tax or fee that the government requires AT&T to collect from customers. The CAC will not apply to Federal, State, or Local Government Accounts, or to any accounts identified in the billing systems of AT&T as being exempt from application of the Federal Universal Service Fund (FUSF).

Service

AT&T Switched Ethernet Service
California

Monthly % Rate

7.00%

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-2 Service Availability

AT&T Switched Ethernet Service provides transport service where suitable equipment and facilities are available in selected geographic areas. Where facilities are not available, facilities may be constructed subject to terms as set forth in Section SD-4.11. Special Construction charges may apply.

SD-3 Provisioning and Service Arrangements

AT&T Switched Ethernet Service will be provisioned using the service components described below.

AT&T Switched Ethernet Service is available in the following serving arrangements and types of Customer Port Connections:

- Basic Arrangement and Basic Ports described in Section SD-3.1;
- Per Packet Class of Service (PPCoS) Arrangement and PPCoS Ports described in Section SD-3.2; and
- External Network-to-Network Interface (ENNI) Arrangement and ENNI Ports described in Section SD-3.4.

Unless specifically stated otherwise, all references to Customer Port Connections or ports in Sections SD-3.1, SD-3.2, SD-3.3, or SD-3.4 shall be deemed to refer to only the type of port addressed by that Section (e.g., "port" in Section SD-3.1 refers to only Basic Ports). Unless specifically stated otherwise, all references to Customer Port Connections or ports in other Sections of this Service Guide shall be deemed to refer to any of the port types - Basic Ports, PPCoS Ports, and ENNI Ports.

The entire capacity of a port purchased by Customer is dedicated to providing the Service to the Customer, which includes information that AT&T or other service providers require to deliver or receive Ethernet frames (packets) to and from the port purchased by Customer.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.1 Basic Arrangement

This type of service provides transport of data using a fixed class of service for each Ethernet Virtual Connection.

SD-3.1.1 Basic Customer Port Connection (Basic Port)

This component provides the physical transport facilities from the Customer's premises to an Ethernet switch at an AT&T central office. The Customer Port Connection is available at transmission speeds of 100 Mbps, 1 Gbps, 10 Gbps, and 100 Gbps.

SD-3.1.2 Committed Information Rate (CIR) and Class of Service (CoS)

CIR, sometimes referred to as the "Logical Channel" of the port, provides the bandwidth available on a Customer Port Connection. CIR is available in increments ranging from 2 Mbps to 100 Gbps.

The table below summarizes the range of CIRs available for each Customer Port Connection.

Supported CIR by Port Speed	
Customer Port Connection	CIR Bandwidth Supported
100 Mbps	2 Mbps - 100 Mbps
1 Gbps	2 Mbps - 1000 Mbps
10 Gbps	1000 Mbps - 10,000 Mbps
100 Gbps	10,000 Mbps - 100,000 Mbps

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.1 Basic Arrangement (Cont'd)

SD-3.1.2 Committed Information Rate (CIR) and Class of Service (CoS) (Cont'd)

The Customer must select a single CIR for each Basic Port. The CIR selected cannot exceed the Customer Port Connection capacity. CIR is offered with multiple choices of CoS. CoS establishes the performance characteristics of the network that are suitable for certain applications. Each Customer Port Connection (port) has a single CIR and CoS associated with it. CoS options are listed as a hierarchy, from "highest" to "lowest" based on network prioritization and performance as follows:

- Real-Time
Supports applications that require minimal loss, are latency-sensitive and require low latency variation (jitter), including voice. Service parameters associated with Real-Time CoS are Packet Delivery Rate (PDR), Latency, Jitter, and Network Availability.
- Interactive
Supports high-priority business data applications or jitter-sensitive applications such as voice and video. Service parameters associated with Interactive CoS are PDR, Latency, Jitter, and Network Availability.
- Business Critical-High
Supports most business data applications with moderate tolerance for delay and which are more sensitive to jitter and have a higher priority than Business Critical-Medium. Service parameters associated with Business Critical-High CoS are PDR, Latency, and Network Availability.
- Business Critical-Medium
Supports most business data applications with moderate tolerance for delay and which are less sensitive to jitter. Service parameters associated with Business Critical-Medium CoS are PDR, Latency, and Network Availability.
- Non-Critical High
Supports low priority business applications with more tolerance for delay and availability. Service parameters associated with Non-Critical High CoS are PDR, Latency, and Network Availability.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.1 Basic Arrangement (Cont'd)

SD-3.1.3 Ethernet Virtual Connections (EVC)

An EVC provides a logical connection to enable the flow of Ethernet traffic for point-to-point and multipoint Customer configurations. EVCs may be established between ports located in the same LATA or in different LATAs. Standard EVCs are not billed to the Customer as a separate rate element. Each EVC is assigned a CIR and CoS that must be equal to or lower than the CIR and CoS of the Port.

- For port speeds of 100M, 1G, and 10G, EVCs can be ordered in any 1 Mbps increment up to the approved maximum EVC CIR.
- For port speed of 100G, EVC CIR can be ordered in increments as follows:
 - 1 Mbps (from 1 Mbps to 100 Mbps)
 - 10 Mbps (from 100 Mbps to 1,000 Mbps)
 - 25 Mbps (from 1,000 Mbps to 10,000 Mbps)
 - 250 Mbps (from 10,000 Mbps to 100,000 Mbps)

The default maximum EVC CIR will be 1,000 Mbps (except for point-to-point EVCs between ports in the same LATA, which allow up to 2,000 Mbps), unless otherwise approved. Requests for EVC CIR above these limits will be evaluated on an Individual Case Basis, taking into consideration factors such as facility conditions and the impact of the requested configuration on network performance.

The total assigned bandwidth (sum of the CIR for all EVCs) on a single port cannot exceed the selected CIR of that port. Point-to-point EVCs must be symmetrical; the EVC CIR at each port must be the same. For multipoint EVCs, the CIR for any EVC may be set according to the bandwidth needed at that port and does not need to be the same at all ports. Ports that do not meet SLA objectives due to overloading of traffic in a multipoint arrangement will not be eligible for the PDR SLA.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.1 Basic Arrangement (Cont'd)

SD-3.1.3 Ethernet Virtual Connections (EVC) (Cont'd)

The following chart provides the maximum number of EVCs supported for point-to-point and multipoint configurations on each Customer Port Connection:

Per Customer Port Connection	EVCs
100 Mbps	Up to 8 EVCs
1 Gbps	Up to 64 EVCs
10 Gbps	Up to 508 EVCs
100 Gbps	Up to 4089 EVCs

Customers may configure EVCs as point-to-point (connecting two locations) or as multipoint (connecting three or more locations), as defined above. Point-to-point EVCs can be associated with an unlimited number of MAC addresses. Multipoint EVCs will be limited to 250 MAC addresses per EVC on each port, unless the Customer purchases the Additional MAC Addresses optional feature. For example, a port that is provisioned with 3 separate multipoint EVCs may have up to 250 MAC addresses associated with each of those EVCs, for a total of 750 MAC addresses in use on that port, but each EVC is still limited to a maximum of 250 MAC addresses.

SD-3.1.4 Frame Size

AT&T Switched Ethernet Service ports will support Ethernet frame sizes up to 9126 bytes with the following exceptions:

- Ports deployed using Ethernet over copper loop transport (EoCu) will be limited to 1526 bytes.
- 100 Mbps Ports installed prior to July 2013 may be limited to 1526 bytes.

(N)

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NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.2 Per Packet Class of Service Arrangement

This service arrangement provides transport of data with variable Classes of Service within an EVC, using a feature called "Per Packet Class of Service" or "PPCoS." With this serving arrangement, the Customer applies a priority identifier to each Ethernet frame (packet) within an EVC, and the packet is given the associated CoS priority level within the AT&T network. PPCoS Service Arrangement is offered where suitable PPCoS facilities exist and may not be available at all locations where the Basic Arrangement is available.

Per Packet Class of Service Arrangement cannot be used with an ENNI port.

SD-3.2.1 PPCoS Customer Port Connection (PPCoS Port)

This component provides the physical transport facilities from the Customer's premises to an Ethernet switch at an AT&T central office. A PPCoS Port is available at transmission speeds of 100 Mbps, 1 Gbps, 10 Gbps, and 100 Gbps.

SD-3.2.2 Committed Information Rate (CIR) and Class of Service (CoS) Packages

CIR, sometimes referred to as the "Logical Channel" of the port, provides the bandwidth available on a Customer Port Connection. CIR is available per Customer Port Connection in increments ranging from 2 Mbps to 100 Gbps as set forth in the Table below.

Supported CIR Bandwidth by Port Speed	
Customer Port Connection	CIR Bandwidth Supported
100 Mbps	2 Mbps - 100 Mbps
1 Gbps	2 Mbps - 1000 Mbps
10 Gbps	1000 Mbps - 10,000 Mbps
100 Gbps	10,000 Mbps - 100,000 Mbps

The Customer must select a single CIR for each PPCoS Port. The CIR selected cannot exceed the Customer Port Connection capacity. Under the PPCoS Service Arrangement, CIR is offered in "packages" that specify the maximum percentage of traffic that may be assigned a given Class of Service in a variety of combinations.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.2 Per Packet Class of Service Arrangement (Cont'd)

SD-3.2.2 Committed Information Rate (CIR) and Class of Service (CoS)
Packages (Cont'd)

Each PPCoS port must also be ordered with a single PPCoS CIR Package.
Customers may select a PPCoS CIR Package that best matches the characteristics
of their data and its associated priority levels.

PPCoS CIR Packages (listed in hierarchical order from highest priority to
lowest priority):

- Multimedia High - Allows Customer to designate up to 100 percent of port CIR as "Real Time" CoS and remaining percentage (if any) can be divided among any/all other CoS (below Real Time) as ordered.
- Multimedia Standard - Allows Customer to designate up to 50 percent of port CIR as "Real Time" CoS and the remaining percentage can be divided among any/all other CoS (below Real Time) as ordered.
- Critical Data - Allows Customer to designate up to 80 percent of port CIR as "Business Critical - High" CoS and the remaining percentage can be divided among any/all other lower CoS (below Business Critical - High) as ordered.
- Business Data - Allows Customer to designate up to 90 percent of port CIR as "Business Critical - Medium" CoS and the remaining percentage can be divided among any/all other lower CoS (below Business Critical - Medium) as ordered.

These CoS settings are only available in 5 percent increments (between 5 percent and 30 percent) and in 10 percent increments (from 40 percent to 100 percent).

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.2 Per Packet Class of Service Arrangement (Cont'd)

SD-3.2.3 Per Packet Class of Service - Classes of Service

The PPCoS CIR Packages are provisioned on PPCoS ports and allow the Customer to apply a CoS priority indicator to each Ethernet frame (packet) and AT&T will route the packet with the assigned CoS priority. The Customer-assigned priority will signify which of the following six Classes of Service AT&T will apply to that frame. PPCoS Ports support the same Classes of Service as are supported by the Basic Arrangement, plus an additional Class of Service (Non-Critical - Low) as described below. CoS options are listed as a hierarchy, from "highest" to "lowest" based on network prioritization and performance as follows:

- Real-Time;
- Interactive;
- Business Critical-High;
- Business Critical-Medium;
- Non-Critical High; and
- Non-Critical Low (Supports the lowest priority traffic)

SD-3.2.4 PPCoS Scheduling Method

The AT&T Switched Ethernet Service network components will create a separate queue for each CoS served according to its weight/priority to ensure that higher CoS packets are prioritized over lower, but that even the lowest CoS is not "starved." PPCoS ports can be ordered in one of two available configurations in order to support different "egress scheduling methods." Requests to change the type of PPCoS Scheduling Method of an existing port may require a new port to be ordered.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.2 Per Packet Class of Service Arrangement (Cont'd)

SD-3.2.4 PPCoS Scheduling Method (Cont'd)

SD-3.2.4.1 Port-Level Egress Scheduling

Under this method, AT&T will prioritize all egress traffic on the port using a single queue schedule, so that the specified percentages of each priority are allowed to egress the network according to a single egress schedule for the port. This is the only option applicable to "port-based" service. This method can also be used for VLAN-based ports if the Customer desires CoS priority to be applied as a single queue at the port level.

SD-3.2.4.2 VLAN Level Egress Scheduling

Under this method, there are individual egress scheduling queues for each EVC (VLAN) on the port and the priority or volume of packets on one EVC have no impact on another EVC. This may be appropriate when the Customer needs each EVC to have its own egress prioritization schedule without impacting other EVCS on the port.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.2 Per Packet Class of Service Arrangement (Cont'd)

SD-3.2.5 Ethernet Virtual Connections (EVC)

An EVC provides a logical connection to enable the flow of Ethernet traffic for point-to-point and multipoint Customer configurations. EVCs may be established between ports located in the same LATA or in different LATAs (due to current systems limitations, interLATA EVCs are not available at all locations or for all port types). Standard EVCs are not billed to the Customer as a separate rate element. Each EVC is assigned a CIR that must be equal to or lower than the CIR of the Port. Under the PPCoS serving arrangement, each EVC must also be given a CoS profile specifying the proportion of each desired CoS (% of each CoS) on that EVC. The CoS allocation must be within the limits of the CIR package subscribed to on that PPCoS port. EVCs can be ordered in any 1 Mbps increment up to the maximum EVC CIR of 1000 Mbps, except for point-to-point EVCs between two ports in the same LATA which have a maximum of 2000 Mbps. Requests for EVC CIR above these limits will be evaluated on an Individual Case Basis, taking into consideration factors such as facility conditions and the impact of the requested configuration on network performance. The total assigned bandwidth (sum of the CIR for all EVCs) on a single port cannot exceed the selected CIR of that port. Point-to-point EVCs must be symmetrical; the EVC CIR at each port must be the same.

For multipoint EVCs, the CIR for any EVC may be set according to the bandwidth needed at that port and does not need to be the same at all ports. Ports that do not meet SLA objectives due to overloading of traffic in a multipoint arrangement will not be eligible for the PDR SLA.

The following chart provides the maximum number of EVCs supported for point-to-point and multipoint configurations on each Customer Port Connection:

Per Customer Port Connection	EVCs
100 Mbps	Up to 8 EVCs
1 Gbps	Up to 64 EVCs
10 Gbps	Up to 508 EVCs
100 Gbps	Up to 4089 EVCs

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.2 Per Packet Class of Service Arrangement (Cont'd)

SD-3.2.5 Ethernet Virtual Connections (EVC) (Cont'd)

Customers may configure EVCs as point-to-point (connecting two locations) or as multipoint (connecting three or more locations), as defined above. Point-to-point EVCs can be associated with an unlimited number of MAC addresses. Multipoint EVCs will be limited to 250 MAC addresses per multipoint EVC on each port, unless the Customer purchases the Additional MAC Addresses optional feature. MAC addresses associated with point-to-point EVCs do not count against this limit. For example, a port that is provisioned with 3 separate multipoint EVCs may have up to 250 MAC addresses associated with each of those EVCs, for a total of 750 MAC addresses in use on that port, but each EVC is still limited to a maximum of 250 MAC addresses.

SD-3.2.6 Frame Size

AT&T Switched Ethernet Service ports will support Ethernet frame sizes up to 9126 bytes with the following exceptions:

- Ports deployed using Ethernet over copper loop transport (EoCu) will be limited to 1526 bytes.
- 100 Mbps Ports installed prior to July 2013 may be limited to 1526 bytes.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.4 External Network-to-Network Interface (ENNI) Arrangement

This service arrangement provides for a specialized configuration that is used to connect the Customer's Ethernet network with AT&T's Ethernet network.

SD-3.4.1 ENNI Port Connection (ENNI Port)

This component provides the physical transport facilities from the Customer's premises to an Ethernet switch at an AT&T central office.

The ENNI Port Connection is available only at the transmission speed of 10 Gbps.

An ENNI Port Connection is a port that supports the exchange of Ethernet traffic between the AT&T Switched Ethernet Service network and the Customer's Ethernet network.

AT&T shall determine the interface specifications for ENNI Port Connections in its sole discretion.

SD-3.4.2 ENNI Committed Information Rate (CIR) and Class of Service (CoS)

Each ENNI Port Connection can only be provided with a single CIR and a single CoS.

The Customer must select a CIR for each ENNI Port. An ENNI Port is available with CIR bandwidths in increments between 1,000 Mbps - 10,000 Mbps. The CIR selected cannot exceed 10,000 Mbps.

CoS establishes the performance characteristics of the network that are suitable for certain applications. The CoS options available to an ENNI Port are described in SD-3.1.2.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-3 Provisioning and Service Arrangements (Cont'd)

SD-3.4 External Network-to-Network Interface (ENNI) Arrangement (Cont'd)

SD-3.4.3 Ethernet Virtual Connection (EVC)

An ENNI EVC provides a logical connection to enable the flow of Ethernet traffic for point-to-point Customer configurations between an ENNI Port and another AT&T Switched Ethernet Service port.

EVCs may be established between ports located in the same LATA or in different LATAs (due to current systems limitations, interLATA EVCs are not available at all locations or for all port types), as described in SD-3.1.3.

EVCs terminating to an ENNI can only be supported in point-to-point Customer configurations.

The maximum number of EVCs supported for point-to-point configurations on each ENNI Port Connection is 2000 EVCs.

SD-3.4.4 Frame Size

ENNI Ports can support Ethernet frame sizes up to 9126 bytes.

SD-4 Optional Features and Functions

SD-4.1 Regenerator

Regenerators provide detection and retransmission of Ethernet signals and are used to provide service when the distance to an Ethernet switch exceeds otherwise applicable design limits. AT&T will determine whether regenerators are needed and what transport medium and equipment will be used to provide regeneration. Regenerators are available on a per-port basis and are available for 100 Mbps, 1 Gbps, 10 Gbps, and 100 Gbps ports.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.2 Additional MAC Addresses

The Additional MAC Address feature is offered on a per port basis. When a Customer subscribes to this feature, the MAC address limit associated with multipoint EVCs (as shown in Sections SD-3.1.3 and SD-3.2.5) shall be increased from 250 to 500 for each multipoint EVC present on that port.

A nonrecurring charge and monthly charge shall apply per port for increasing the MAC address limit to 500 MAC addresses per Multipoint EVC.

SD-4.3 AT&T BusinessDirect[®] Customer Network Management

The AT&T BusinessDirect[®] web portal offers a Customer network management feature to all Customers subscribing to AT&T Switched Ethernet Service at no additional charge. Available functions include network inventory map, performance reporting, and maintenance. Customers must have a web interface to access and monitor their network using the AT&T BusinessDirect[®] web portal.

SD-4.4 Alternate Serving Switch

The Alternate Serving Switch option allows Customers to order AT&T Switched Ethernet Service from an AT&T Switched Ethernet Service switch that is different from the AT&T Switched Ethernet Service switch that would normally serve the Customer's premises. The Alternate Serving Switch charges apply for mileage measured between the AT&T Switched Ethernet Service alternate switch wire center and the Customer's premises serving wire center.

Monthly rates apply for mileage from the alternate AT&T Switched Ethernet Service switch to the Customer's premises serving wire center and are based on design and will be determined at the time of order.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.5 Diverse Access

Diverse Access is a feature that provides transmission paths, which are diverse from each other as provided in this Section, between two designated AT&T Switched Ethernet Service Port Connections at the same Customer premises and an AT&T Switched Ethernet Service switch. These two designated Port Connections must be purchased by the same Customer, and must be either 1 Gbps, 10 Gbps, or 100 Gbps. Customers purchasing Diverse Access will be charged a Diverse Access feature charge associated with each of the two designated Port Connections.

Each designated Port Connection will be provisioned on different Network Terminating Equipment (NTE). The fiber path from each designated Port Connection to the AT&T Switched Ethernet Service serving switch will be diverse from the path for the other designated Port Connection, from the closest available point of divergence (e.g., the closest manhole to the Customer premises or the closest Serving Wire Center to the Customer premises) and, where alternate switches are available, will be terminated on a different AT&T Switched Ethernet Service switch. In the event of an outage affecting one of the designated Port Connections, the Customer will be responsible for re-routing its traffic to the other designated Port Connection.

Diverse Access does not include construction of dual entrance facilities. If a Customer desires dual entrance facilities and they do not currently exist, arrangements must be made for constructing dual entrance facilities at the Customer's expense.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.6 Advanced Access Failover

Advanced Access Failover (AAF) is designed to provide automatic failover to a redundant facility in the event of a failure of a protected facility.

When a port is ordered with an AAF serving arrangement, it will be constructed with a single Customer interface, but with additional facilities within the network. There will be two fiber pairs (instead of the normal single pair) connecting the Network Terminating Equipment (NTE) to two different core Ethernet switches in the AT&T Switched Ethernet core network. These two fiber pairs will be diverse from each other from the closest available point of divergence (e.g., the closest manhole to the Customer premises or the closest Serving Wire Center to the Customer premises). The two facilities will operate in a "hot/standby" arrangement where "hot" represents the actively used transmission path and "standby" represents an alternate path that is unused until needed. In the event the AT&T Switched Ethernet Service network senses a disruption to a diverse portion of the facilities, it will automatically failover from the hot path to the standby path, and the Ethernet Virtual Connections (EVCs) associated with that port will continue to operate over the standby path.

Notwithstanding the previous paragraph, under certain circumstances, the standby path may become unavailable, preventing AAF from functioning properly. AT&T's monitoring of AAF arrangements may not detect all potential failures of standby paths, and AT&T does not guarantee standby path availability in case of a disruption of a hot path. Customers may use AT&T Express Ticketing (available at <https://expressticketing.acss.att.com/expressticketing/>) to check the status of an AAF arrangement, including the availability of standby paths. If AT&T Express Ticketing identifies an issue with an AAF arrangement, the system will generate a trouble ticket regarding the issue. AT&T recommends that Customers use AT&T Express Ticketing to check their AAF arrangements periodically, and Customers may do so as often as they wish. AT&T is not liable for any service disruptions due to the unavailability of a standby path.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.6 Advanced Access Failover (Cont'd)

AAF does not include construction of dual entrance facilities. If a Customer desires dual entrance facilities and they do not currently exist, arrangements must be made for constructing dual entrance facilities at the Customer's expense.

AAF is available only for 1 Gbps, 10 Gbps, or 100 Gbps Customer Port Connections and is ordered on a per port basis.

The Advanced Access Failover feature is not available with ENNI Ports.

SD-4.7 Enhanced Multicast

The Enhanced Multicast feature allows the broadcast, unknown unicast, multicast (BUM) traffic limit associated with multipoint EVCs to be increased from 2 Mbps to 30 Mbps per EVC. The Enhanced Multicast feature is offered on a per port basis. Once the feature is ordered on a port, each multipoint EVC on that port may be provisioned to allow up to 30 Mbps of combined BUM traffic, orderable in 1 Mbps increments. Multipoint EVC orders for such ports that do not specify a higher limit as allowed under this feature will be limited to the standard default of 2 Mbps BUM limit. Monthly rates apply to each port provisioned with the feature. An additional charge will apply for adding or removing the Enhanced Multicast Feature on an existing port.

The Enhanced Multicast feature is not available for EVCs terminating to ENNI Ports.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.8 Meet Point Arrangements

In some cases, AT&T and an unaffiliated Incumbent Local Exchange Carrier (ILEC, sometimes also referred to as an Independent Company or ICO) may agree to jointly provide an Ethernet service where such service will be provided to locations in both AT&T's and the ILEC's serving territories within the same LATA. In such cases, AT&T and the other ILEC may mutually agree to meet at a location (i.e., meet point) within the LATA utilizing facilities suitable for delivery of AT&T Switched Ethernet Service. The rates and charges for AT&T Switched Ethernet Service are applicable for the AT&T provided portion of such service. AT&T is responsible for the ordering, provisioning, billing, and maintenance of such AT&T Switched Ethernet Service up to the meet point.

Meet point arrangements, where available, may be offered in two configurations:

- Direct LEC is a dedicated AT&T Switched Ethernet Service port connection that provides connectivity from an AT&T Ethernet switch to a meet point with the other service provider. In addition to port, CIR and any other rates and charges applicable to the AT&T Switched Ethernet Service, Direct LEC Additional Mileage charges will apply based on the airline distance measured from the meet point to the wire center in which the Ethernet switch for AT&T Switched Ethernet Service is located. Mileage is provided in four mileage bands up to 50 miles.
- ICO NNI Arrangement (ICO Trunking Arrangement) provides a shared trunk connection from the AT&T Switched Ethernet Service switch to the meet point that is then connected to the ILEC (ICO) Ethernet switch, for purposes of providing multiple Ethernet Virtual Connections (EVCs) for the same or different Customers over this shared facility. The ICO Trunk Connection charge is applied to each EVC that is transported on the ICO Trunking Arrangement. The Additional Mileage rate is based on the distance measured from the AT&T Switched Ethernet Service switch to the meet point for mileage that exceeds 10 miles and is applicable to each ICO Trunking Arrangement EVC transported across the shared facility. EPP monthly rates apply for each EVC provisioned on the ICO NNI Arrangement.

ICO Meet Point Arrangements are not available for EVCs terminating to ENNI Ports.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.9 Maintenance of Service, Additional Engineering and Additional Labor

For the purpose of Section 4.9 and 4.10, the terms Hourly Rates, Basic Time, Overtime, Premium Time, AT&T Holidays, and Callout are defined as follows:

Hourly Rates: Hourly rates are based upon the time of day, day of the week, and whether the work is performed on an AT&T Holiday. Hourly rates will apply as defined below for: Basic Time, Overtime, and Premium Time. Charges apply for each half hour or fraction thereof unless otherwise specified herein.

Basic Time: 8:00 a.m. - 5:00 p.m., Monday through Friday (except AT&T Holidays). To the extent work continues past 5:00 p.m., time will be billed as Overtime.

Overtime: Outside Basic Time and on Saturdays (except AT&T Holidays).

Premium Time: Sundays and/or AT&T Holidays.

AT&T Holidays:

AT&T Holidays
New Year's Day
President's Day
Memorial Day
Independence Day
Labor Day
Thanksgiving Day
Day after Thanksgiving
Christmas Day

Callout: A Callout is when an AT&T employee is called in to work at a time not consecutive with the employee's scheduled work period. Any dispatch that results in a Callout will be subject to a minimum charge on an Overtime and/or Premium Time basis of four (4) hours. However, at no time will the Customer be charged if trouble is found to be on AT&T's side of the demarcation point.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.9 Maintenance of Service, Additional Engineering and Additional Labor
(Cont'd)

SD-4.9.1 Maintenance of Service

If a Customer reports a trouble to AT&T, and AT&T does not find trouble with the service it provides, a Maintenance of Service charge applies. The charge will be identified as Maintenance of Service or Non-Productive Dispatch (using USOCs MVV, MVV++, or NPD) on the Customer's bill.

A Maintenance of Service charge also applies if: (i) AT&T is able to clear any trouble with AT&T's service without a dispatch, but the Customer has requested a dispatch, such as for repair verification or cooperative testing; or (ii) the Customer issues a trouble report for which AT&T needs access to the Customer's premises, and AT&T personnel are not given access to the premises.

The Maintenance of Service charge applies for each AT&T worker dispatched, for the time from dispatch to the time when the service call is completed, including travel time. Charges will be calculated per half hour, rounded up to the next half hour, and billed as a First Half Hour and Each Additional Half Hour or Fraction Thereof.

Examples: 45 minutes will be billed as one First Half Hour and one Additional Half Hour or Additional Fraction Thereof. Two hours and 15 minutes will be billed as one First Half Hour and four Additional Half Hours or Additional Fractions Thereof.

Any dispatch that results in a Callout (as defined in Section SD-4.9) will be subject to a minimum charge on an Overtime and/or Premium Time basis of four (4) hours. However, at no time will the Customer be charged if trouble is found to be on AT&T's side of the demarcation point.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.9 Maintenance of Service, Additional Engineering and Additional Labor
(Cont'd)

SD-4.9.2 Additional Engineering

Additional Engineering is not an ordering option but will be applied to an order when AT&T determines additional engineering is necessary to accommodate a Customer request. When additional engineering is required, the Customer will be notified and furnished with a written statement setting forth the justification for the additional engineering as well as an estimate of the charges.

If the Customer agrees to the additional engineering, a firm order will be established. If, after being notified that additional engineering of AT&T facilities is required, the Customer does not want the Service or facilities, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the Customer for the additional engineering may not exceed the estimated amount by more than 10 percent.

Additional Engineering will be provided by AT&T at the request of the Customer only when:

- A Customer requests additional technical information after AT&T has already provided the technical information normally included on the Design Layout Report (DLR); or
- Additional engineering time is incurred by AT&T to engineer a Customer's request for a customized service.

AT&T will notify the Customer that Additional Engineering charges will apply before any additional engineering is undertaken.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.9 Maintenance of Service, Additional Engineering and Additional Labor
(Cont'd)

SD-4.9.3 Additional Labor

Additional Labor is that labor requested by the Customer on a given Service and agreed to by AT&T as set forth in the following.

AT&T will notify the Customer that Additional Labor charges, as set forth in the pricing section of this Service Guide, will apply before any additional labor is undertaken.

Types of Additional Labor are:

- Installation, moves, network reconfigurations, and/or other service activities that the Customer requests AT&T to perform outside of Basic Time. (USOC ALH, ALH++)
- Standby includes all time in excess of one-quarter (1/4) hour during which AT&T personnel standby at the Customer's request. (USOC ALT)
- Additional Labor testing and other service providers: Additional testing, maintenance, or repair of facilities which connect to facilities of other service providers which is in addition to the normal effort required to test, maintain, or repair facilities provided solely by AT&T. (USOC ALK, ALK++)
- Other Labor is that Additional Labor not included in the preceding items including, but not limited to, labor incurred to accommodate a specific Customer request that involves only labor which is not covered by any other section of this Service Guide. (USOC ALK, ALK++)

Additional Labor charges apply for each half hour or fraction thereof unless otherwise specified herein.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.10 Testing

Additional Cooperative Acceptance Testing and Nonscheduled Testing are testing services available to Customers.

- Additional Cooperative Acceptance Testing (ACAT) (USOC SNT, SNT++)
When a Customer provides a technician at its premises or at an end user's premises with suitable test equipment to perform the requested tests, AT&T will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing. At the Customer's request, AT&T will provide a technician at the Customer's premises or at the end user premises.
- Nonscheduled Testing (NST) (USOC SNO, SNO++)
When a Customer provides a technician at its premises with suitable test equipment to perform the required tests, AT&T will provide a technician at its office for the purpose of conducting Nonscheduled Testing. At the Customer's request, AT&T will provide a technician at the Customer's premises.

When the Customer subscribes to testing services, the Customer shall make the facilities to be tested available to AT&T at times mutually agreed upon.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.11 Special Construction

SD-4.11.1 General

This section contains the conditions and charges applicable for special construction of facilities.

When special construction of facilities is required, the conditions following apply in addition to all conditions, rates, and charges set forth in this Service Guide.

SD-4.11.2 Conditions

SD-4.11.2.1 Ownership of Facilities

AT&T retains ownership of all specially constructed facilities provided under this Service Guide.

SD-4.11.2.2 Interval to Provide Facilities

Based on available information and the type of service ordered, AT&T will establish a completion date for the specially constructed facilities. If the scheduled completion date cannot be met due to circumstances beyond AT&T's control, a new completion date will be established and AT&T will notify the Customer.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.11 Special Construction (Cont'd)

SD-4.11.3 Payments for Special Construction

SD-4.11.3.1 Payment of Charges

Where AT&T is requested to provide special construction, a lump sum upfront payment equal to the additional non-recoverable cost will apply unless other payment arrangements are agreed upon with AT&T. This upfront payment must be paid prior to the start of construction.

SD-4.11.3.2 Nonpayment of Charges

If a Customer fails to pay special construction charges due, refusal and discontinuance of the Services using the specially constructed facilities shall be in accordance with the appropriate Conditions under which Service is being provided.

SD-4.11.4 Charges for Special Construction

SD-4.11.4.1 General

Various charges may apply when AT&T provides special construction of facilities in accordance with an order for service. Written approval of all charges must be provided to AT&T prior to the start of construction.

SD-4.11.4.2 Conditions Requiring Special Construction

Special construction is required when:

- (1) Facilities are not available to meet an order for service;
- (2) AT&T constructs facilities;
- (3) The nonrecoverable investment associated with the construction exceeds \$10,000; and
- (4) One or more of the following conditions exist:
 - AT&T has no other requirement for the facilities constructed.
 - It is requested that Service be furnished using a type of facility, or via a route, other than that which AT&T would normally utilize in furnishing the requested Service.
 - More facilities are requested than would normally be required to satisfy an order.
 - It is requested that construction be expedited, resulting in added cost to AT&T.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.11 Special Construction (Cont'd)

SD-4.11.4.3 Development of Charges

Special construction charges and liabilities will be developed based on estimated costs.

SD-4.11.4.3.1 Types of Charges

Depending on the specifics associated with each individual case, one or more of the following special construction charges may be applicable:

- Nonrecurring Charge
A nonrecurring charge always applies and includes one or more of the following components:
- Case Preparation Charge
A nonrecurring charge always includes a case preparation charge component to cover the administrative expenses associated with preparing a special construction case.
- Expediting Charge
A nonrecurring charge may include an expediting charge when it is requested that special construction be completed on an expedited basis. The charge equals the difference in estimated cost between expedited and non-expedited construction.
- Lease Charge
This charge applies when AT&T leases equipment in order to meet service requirements. The amount of the charge is equal to the net added cost to AT&T caused by the lease.
- Cancellation Charge
This charge includes all nonrecoverable costs incurred by AT&T in association with the special construction up to and including the time of cancellation, where the Customer cancels the special construction prior to the start of service.
- Rearrangement Charge
If AT&T is requested to rearrange existing specially constructed facilities, a nonrecurring charge equal to the cost of any additional special construction will apply.

(N)

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NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Description (SD) (Cont'd)

SD-4 Optional Features and Functions (Cont'd)

SD-4.12 Billing Media

The Customer may, without charge, receive the initial copy of its monthly bill and Service and feature record in a standard media format provided by AT&T. The billing media formats may include one or more of the following:

- Paper;
- Electronic Data Interchange (EDI);
- Electronic data transmission;
- CD-ROM; or
- DVD.

Not all billing media formats are available from every AT&T participating carrier. Additional copies of bills and secondary bills may be available subject to an additional charge.

Changes involving billing format changes or changes to the billing period are also subject to an additional charge.

SD-5 Traffic Controls and Limitations

AT&T may use controls to limit the amount of BUM traffic to protect the AT&T Switched Ethernet network against traffic storms. The maximum throughput of combined BUM traffic will be set at 2 Mbps per multipoint EVC, unless the Customer purchases the Enhanced Multicast optional feature in SD-4.7. Packets dropped by traffic controls are not included in SLA calculations. AT&T recommends that Customers enable controls for BUM traffic within the Customer network(s). There is no BUM restriction on point-to-point EVCs.

(N)

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NETWORK AND EXCHANGE SERVICES

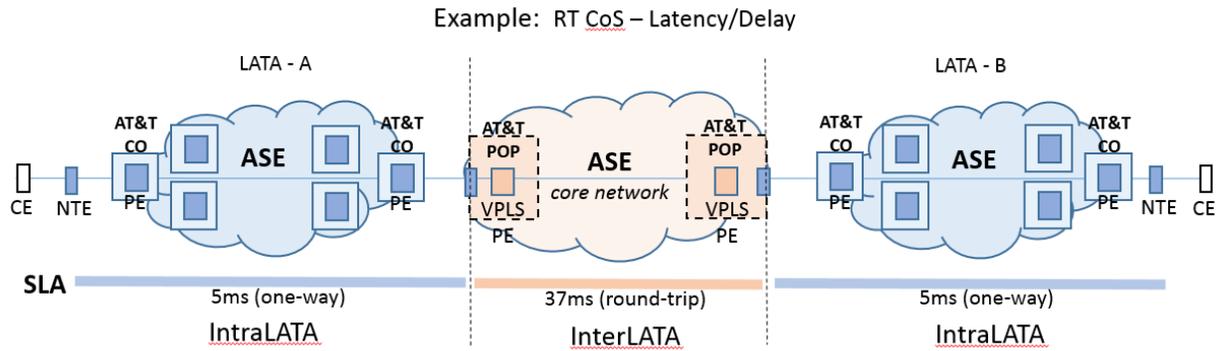
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A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Level Agreement (SLA)

SLA-1 Class of Service (CoS) SLA



CoS SLA credits will be granted for AT&T Switched Ethernet Service if AT&T fails to meet service parameters (i.e., Latency, Packet Delivery Rate (PDR), and Jitter) defined for each CoS, each measured separately for intraLATA and interLATA EVCs, subject to the following terms and conditions:

- The Customer must notify AT&T when performance for any service parameter fails to meet the committed level for any calendar month.
- The Customer must request a service credit for any performance failure, using the AT&T Business Direct[®] portal or other method provided by AT&T, within 45 days after the end of the month when the failure occurred.
- Upon verification by AT&T that actual service performance for the relevant parameter failed to meet the committed level, AT&T will correct the problem within one month.

If, after one month, service performance for the relevant parameter still fails to meet the committed level, the Customer will be provided a service credit equal to 25 percent of the Monthly Recurring Charges (MRCs) for all affected ports (for the CoS SLAs). Only one such credit, per port, shall be applied per calendar month, regardless of the number of service parameters for which performance failed to meet the committed levels.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Level Agreement (SLA)

SLA-1 Class of Service (CoS) SLA (Cont'd)

IntraLATA Latency, Jitter, and Packet Delivery Rate (PDR)

IntraLATA Latency, Jitter, and Packet Delivery Rate (PDR) will be measured by averaging sample measurements taken during a calendar month between the NTE to which the Customer ports are attached (i.e., end to end), when the AT&T Switched Ethernet Service network is available for use by the End User. The IntraLATA SLA service parameters are based on a LATA-wide average of the Customer's one-way traffic traversing the NTE and the network within each applicable LATA. The committed level for IntraLATA Latency and Jitter is to be not more than, and for PDR is to be not less than, the levels set forth in the IntraLATA SLA table below. For any failure of the IntraLATA Latency, Jitter, or PDR SLA, the "affected ports" will be those which were connected with intraLATA EVCs during the month for which the Customer has requested an SLA credit.

The following table displays the CoS IntraLATA SLA service parameters:

Class of Service	Service Measurement*		
	Latency (one-way)	Jitter	Packet Delivery Rate (PDR)
Real Time	5 ms	3 ms	99.995%
Interactive	13 ms	10 ms	99.95%
Business Critical - High	20 ms	N/A	99.9%
Business Critical - Medium	30 ms	N/A	99.9%
Non-Critical High	37 ms	N/A	99.5%
Non-Critical Low (This CoS is only offered as part of the PPCoS Package)	N/A	N/A	N/A

* Measured performance will be rounded to the decimal place indicated in the table. For example, 5.49 ms will be rounded down to 5 ms; and 5.50 ms will be rounded up to 6 ms.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Level Agreement (SLA) (Cont'd)

SLA-1 Class of Service (CoS) SLA (Cont'd)

InterLATA Latency, Jitter, and Packet Delivery Rate (PDR)

InterLATA Latency, Jitter, and Packet Delivery Rate (PDR) will be calculated by averaging sample measurements taken during a calendar month between city pairs on the AT&T core network. Those city pairs are not necessarily representative of Customer's service locations. Measurements will reflect the performance of the AT&T core (interLATA Ethernet) network only, as reported in AT&T Global Performance Reporting systems or such other source as AT&T may designate. Measurements will reflect performance between AT&T core network Ethernet switches in each measured LATA and will not include local transport or backhaul segments. The InterLATA SLA target for Latency and Jitter are to be not more than, and for PDR is to be not less than, the levels set forth in the InterLATA SLA table below. For any failure of the InterLATA Latency, Jitter, or PDR SLA, the "affected ports" will be those which were connected with InterLATA EVCs during the month for which the Customer has requested an SLA credit.

The following table displays the CoS InterLATA SLA service parameters:

Class of Service	Service Measurement*		
	Latency (round trip)	Jitter	Packet Delivery Rate (PDR)
Real Time	37 ms	3 ms	99.95%
Interactive	37 ms	10 ms	99.95%
Business Critical - High	37 ms	N/A	99.9%
Business Critical - Medium	37 ms	N/A	99.9%
Non-Critical High	37 ms	N/A	99.5%
Non-Critical Low (This CoS is only offered as part of the PPCoS Package)	N/A	N/A	N/A

* Measured performance will be rounded to the decimal place indicated in the table. For example, 5.49 ms will be rounded down to 5 ms; and 5.50 ms will be rounded up to 6 ms.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Level Agreement (SLA) (Cont'd)

SLA-2 Network Availability SLA

The SLA service parameter for Network Availability is to be not less than 99.99% for all Customer ports and Classes of Service. Network Availability will be calculated as the percentage of time during a month that the network is capable of accepting and delivering Customer data during the measurement period.

Network Availability includes the Ethernet core network and the local loop. Network outage time during maintenance windows will be excluded from Network Availability calculations.

The calculation for Network Availability for a given month is as follows:

Network Availability# = [(24 hours x days in the month x 60 minutes x number of Customer ports in the LATA) - network outage time] / (24 hours x days in the month x 60 minutes x number of Customer ports in the LATA)

The Customer shall: (1) notify AT&T within 45 days after the end of any calendar month for which Network Availability fails to meet the committed level; and (2) request a service credit. Upon verification by AT&T that actual service performance for Network Availability failed to meet the committed level, AT&T will issue a credit to the Customer in an amount equal to 10 percent of the Monthly Recurring Charge (MRC) for all Customer ports in the LATA.

Measured performance will be rounded to the nearest hundredth (decimal place). For example, 99.985% will be rounded to 99.99%.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Level Agreement (SLA) (Cont'd)

SLA-3 Credit Allowance for Service Interruptions

Service is considered to be interrupted when it becomes unusable because of a failure of a facility component used to furnish service under this Service Guide. The interruption must result in the complete loss of such service. An interruption period starts when an inoperative service is reported to AT&T and ends when the service is operative.

The credit allowance for an interruption or for a series of interruptions shall be calculated based on the applicable monthly rate for the port (or ports) which were interrupted, including the other rate elements associated with that port (CIR, repeater, etc.). No credit shall be applicable to other ports on the network that were uninterrupted, even if they were unable to connect to an interrupted port.

No credit shall be allowed for an interruption period of less than 30 minutes. The Customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or fraction thereof that the interruption continues after the initial 30-minute interruption.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Level Agreements (SLAs) (Cont'd)

SLA-4 SLA Exclusions

The SLA provisions, measurements, and eligibility for credit shall exclude conditions wherein service performance was adversely affected by any of the following conditions:

- Any cause beyond AT&T's reasonable control (force majeure events) including, but not limited to, acts of war, civil disturbances, acts of civil or military authorities or public enemies, earthquakes, hurricanes, floods, fires, storms, tornadoes, explosions, lightning, power surges or failures, fiber cuts, strikes, or labor disputes;
- Failures of any structures, facilities or equipment provided by the Customer or its contractors, equipment vendors, or by any carrier or service provider other than AT&T;
- Interruptions caused by the negligence of the Customer or End User;
- Interruptions of a service during any period in which AT&T is not afforded access to the premises where the Service is terminated;
- When AT&T and the Customer negotiate the release of the Service for (1) maintenance purposes; (2) to make rearrangements; or (3) to implement an order for a change in the Service, a credit does not apply during the negotiated time of release;
- Periods when the Customer elects not to release the Service for testing and/or repair and continues to use it on an impaired basis;
- Data loss during AT&T's scheduled maintenance windows;
- Data exceeding subscribed CIR; or
- Failures of any structures, facilities, or equipment on the Customer's side of the demarcation point.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Service Level Agreements (SLAs) (Cont'd)

SLA-5 SLA Other Terms and Conditions

EVCs with Real Time CoS on ports served via Ethernet over Copper (EoCu) loop media are excluded from calculations that determine whether the intraLATA Latency SLA is met.

IntraLATA EVCs with Real Time CoS between ports that are connected with an inter-Central Office facilities path extending more than 200 miles or those with EVC CIRs in excess of 1000 Mbps and/or using a PPCoS serving arrangement with a package exceeding 1000 Mbps Real Time are not subject to the Real Time Latency SLA and are excluded from calculations that determine whether the intraLATA Latency SLA is met.

The total credit amount of any allowances for interruptions and SLA credits applicable in a given month shall not exceed 100 percent of the monthly recurring charge for the port and associated rate elements.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P)

P-1 Rate Elements

Except as set forth below, monthly recurring charges for AT&T Switched Ethernet Service Ports and associated Committed Information Rates are set forth in Section P-4 and vary by port type, CIR, CoS, and term.

P-2 Ethernet Payment Plan (EPP)

To subscribe to AT&T Switched Ethernet Service, the Customer must select one of the EPP options below. The service is not available to be subscribed to on a month-to-month basis.

Ethernet Payment Plan Options				
12 Months	24 Months	36 Months	48 months	60 months

- (1) Nonrecurring charges shown in Sections P-4.1.1, P-4.1.3, P-4.2.1, P-4.2.10, and P-4.3 will be waived for Customers subscribing to new service under an EPP, and subject to Section P-2(3) and Section P-2(5) for Customers subscribing to a new EPP for an existing service. For moves of service and service reconfigurations, nonrecurring charges will apply as specified in Sections P-2(6) and (7).
- (2) During the Customer's EPP term, AT&T initiated rate changes (i.e., rate increases or decreases) will be automatically applied to the Customer's EPP rates for the months remaining in the Customer's EPP term. However, at no time during the Customer's EPP term will rates exceed the Customer's initial EPP rates.
- (3) When an EPP term expires, the Customer may select a new EPP term from among any EPP options which are then available to new Customers under this Service Guide. EPP rates in effect at the time the new EPP term starts will apply. If the Customer orders such new EPP term at least 10 but not more than 90 days in advance of the existing EPP term expiration date, the new EPP term will begin immediately after the order is processed.

If the Customer selects such new EPP term, but does not do so at least 10 days in advance of the existing EPP term expiration date, the Term Extension Month-to-Month Rates may apply between the expiration of the existing EPP term and the date upon which AT&T implements the new EPP term in its billing system.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-2 Ethernet Payment Plan (EPP) (Cont'd)

- (4) The Term Extension Month-to-Month (MTM) rates in Section P-4 will apply when a Customer's EPP term expires. The Customer will be billed the MTM rates in effect from time to time until such time as the Customer selects a new EPP or the Service is disconnected.
- (5) Termination Liability will apply if the Customer disconnects Service (or AT&T disconnects Service for default by Customer) prior to the end of the selected EPP. Termination Liability will be determined based on the number of months remaining in the EPP term times 50 percent of the applicable EPP monthly charges, calculated as follows:

$$[(\text{EPP Monthly Rates}) \times (\text{Months Remaining in EPP Term})] \times 50\% = \text{Termination Liability}$$

In addition, the Customer must pay all nonrecurring charges that were waived, as specified in Section 4 P-2(1).

- (6) Moves involve a change in the physical location of one of the following:
- Point of service demarcation in the same building; or
 - Change of Customer premises to a new building

When the move is to a different location within the same building (i.e., results in a different point of service demarcation in the same building, such as a move to a different floor), previously waived nonrecurring charges associated with the existing Service (if still under term) will be charged for all service components affected.

A new EPP term is not required (if still under EPP term) and Termination Liability will not apply for such a move. For move requests for Service that is currently being billed MTM rates, the Customer must select an EPP term for the Service at the new location. The new EPP term will be subject to the rates in effect at the time of the move.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-2 Ethernet Payment Plan (EPP) (Cont'd)

(6) (Cont'd)

When the move is to a different building (i.e., a different Customer premises), such a move is treated as a disconnection of Service and an activation of new service. If the disconnected Service is under an EPP term, the previously waived nonrecurring charges for Service at the disconnecting location will be billed. Termination liability will apply for such a move (if the EPP term has not expired) except where all of the following conditions apply:

- The existing and new Service locations must be in the same serving wire center;
- The Customer's existing Service must have been in place for at least 12 months;
- The Customer must select a new EPP with a term that is equal to or greater than the remainder of the existing EPP;
- Orders from the Customer to disconnect the existing Service and reestablish Service at the new location must be placed by the Customer and received by AT&T on the same date; and
- No lapse in billing will occur for moves of Service under an EPP. If the Customer requests that both the existing AT&T Switched Ethernet Service and the new AT&T Switched Ethernet Service be in service at same time, such "overlapping" Service shall be provided for no more than 90 days, and all applicable charges will be billed for both Services during the period of overlapping service.

The Customer must also select an EPP term for the new Service at the new location. The new EPP term will be subject to the rates in effect at the time of the move.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-2 Ethernet Payment Plan (EPP) (Cont'd)

(7) The Customer may reconfigure Service, subject to the conditions below:

For reconfigurations to a higher speed Customer Port Connection without a change in port type, or from a Basic Port to a PPCoS Port, previously waived nonrecurring charges associated with the existing Service will be charged for all service components affected if such reconfiguration occurs during an EPP term. An example of such upgrade would be a change from a 1 Gbps to a 10 Gbps Customer Port Connection.

The Customer must select a new EPP term for the new configuration. The new EPP term will be subject to the rates in effect at the time of the reconfiguration.

If the reconfigured Service is under an EPP term, termination liability will apply, except where all of the following conditions are met:

- The upgraded Service must be at a higher capacity than the existing Service; and
- The new and existing Services must be billed to the same Customer at the same Customer location; and
- The Customer must select a new EPP term with a term that is equal to or greater than the remainder of the EPP term of the disconnected Service.

For reconfigurations to a lower capacity of the Customer Port Connection, for example, from a PPCoS Port to a Basic Port, EPP Termination Liability and nonrecurring charges will apply, as set forth in Section P-2(5), to all service components affected. An example of such a downgrade would be a change from a 1 Gbps to 100 Mbps Customer Port Connection. The Customer must select a new EPP term for the reconfigured Service. The new EPP term will be subject to the rates in effect at the time of the reconfiguration.

Reconfigurations that require changes to only the CoS, PPCoS Package, or CIR are subject to the nonrecurring charges associated with the new CoS, PPCoS Package, or CIR service components. EPP Termination Liability will not apply to such reconfigurations. The term effective dates associated with the Customer Port Connection shall apply to the associated CIR/CoS. For example, a Customer with a 60-month term on original port and CIR configuration may change the CIR in month 48, while still keeping the original EPP expiration date associated with both port and CIR.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-2 Ethernet Payment Plan (EPP) (Cont'd)

(7) (Cont'd)

For reconfigurations of technical nature (such as port interface, or port-based to VLAN-based) not addressed above in this Section P-2(7), the nonrecurring charge associated with the Customer Port Connection will apply. EPP Termination Liability will not apply to such reconfiguration changes.

For any of the reconfigurations described above, any Customer that has completed an EPP term must select a new EPP term for the reconfigured Service.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-2 Ethernet Payment Plan (EPP) (Cont'd)

(8) Upgrades to a Higher Level of Service

A Customer may upgrade from AT&T Switched Ethernet Service to a different service provided by AT&T, as provided herein. EPP Termination Liability will not apply if all of the following conditions are met:

1. Either:
 - (a) The new service as requested by the Customer must be at a transport speed or capacity greater than the speed or capacity of AT&T Switched Ethernet Service; or
 - (b) The new service must offer the same transport speed or capacity as available with AT&T Switched Ethernet Service and include technology or functionality not available with AT&T Switched Ethernet Service;
2. The new service and existing AT&T Switched Ethernet Service must be billed to the same Customer of record at the same Customer location;
3. The Customer's existing AT&T Switched Ethernet Service must have been in place for at least 12 months;
4. The minimum term for the new service must be equal to or greater than the remainder of the Customer's existing EPP term;
5. The order for the new service and the disconnect order for the existing Service must be placed by the Customer and received by AT&T on the same date; and
6. If the Customer requests that both the existing AT&T Switched Ethernet Service and the new higher-level service be in service at the same time, such "overlapping" service shall be provided for no more than 90 days, and all applicable charges will be billed for both services during the period of overlapping service.

Nothing in this Section P-2(8) shall prohibit upgrades within AT&T Switched Ethernet Service as allowed under the terms contained elsewhere in this Service Guide.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-2 Ethernet Payment Plan (EPP) (Cont'd)

- (9) Conversion of DS1 and DS3 NG 9-1-1 Transport Services to AT&T Switched Ethernet Service

The replacement of interstate DS1 or DS3 NG 9-1-1 Transport Services provided by AT&T with AT&T Switched Ethernet Service will not be deemed to be a termination or disconnection of the relevant DS1 or DS3 NG 9-1-1 Transport Service for purposes of applying termination liability charges, provided that all of the following conditions are satisfied:

1. The length of the term commitment for the AT&T Switched Ethernet Service must be equal to or greater than the remainder of the term commitment of each DS1 or DS3 circuit being replaced;
2. Each replaced DS1 and/or DS3 NG 9-1-1 Transport Service must:
 - (a) Have been in service for at least twelve (12) months; and
 - (b) Have been provided to the same Customer location as the AT&T Switched Ethernet Service; and
3. The Customer must issue a disconnect order for the replaced DS1 and/or DS3 NG 9-1-1 Transport Service to be effective within ninety (90) days after the AT&T Switched Ethernet Service installation date.

For the purposes of this Section P-2(9), one AT&T Switched Ethernet Service port may replace multiple existing DS1 or DS3 NG 9-1-1 Transport Services provided by AT&T.

P-3 Administrative Charge

The Administrative Charge is a nonrecurring charge that applies for each order. Administrative Charge will be waived for Service ordered under an EPP as specified in Section 4, P-2(1).

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges

P-4.1 Customer Port Connection

P-4.1.1 Customer Port Connection (All Port Types) - Nonrecurring Charges and Term Extension MTM Rates

Port Type	Customer Port Connection - Nonrecurring Charges and Term Extension MTM Rates			
	Customer Port Connection	USOC	Nonrecurring Charge*	Term Extension MTM Rate
Basic Port	100 Mbps Port	EYQEX	\$1,925.00	\$925.00
	1 Gbps Port	EYQFX	\$2,100.00	\$1,400.00
	10 Gbps Port	EYQGX	\$15,750.00	\$10,500.00
	100 Gbps Port	EY7AG	\$30,000.00	\$20,000.00
PPCoS Port	100 Mbps Port	EYQLX	\$1,925.00	\$1295.00
	1 Gbps Port	EYQMX	\$2,100.00	\$1,960.00
	10 Gbps Port	EYQNX	\$15,750.00	\$12,600.00
	100 Gbps Port	EY7AH	\$30,000.00	\$24,000.00
ENNI Port	10 Gbps Port	EYQGX	\$15,750.00	\$10,500.00

P-4.1.2 Customer Port Connection (PPCoS Port) - EPP Monthly Rates

Customer Port Connection - EPP Monthly Rates							
Port Type	Customer Port Connection	USOC	12 Months	24 Months	36 Months	48 Months	60 Months
Basic	100 Mbps Port	EYQEX	\$624.00	\$600.00	\$390.00	\$366.00	\$345.00
	1 Gbps Port	EYQFX	\$960.00	\$920.00	\$600.00	\$590.00	\$580.00
	10 Gbps Port	EYQGX	\$8,000.00	\$7,600.00	\$4,500.00	\$3,900.00	\$3,450.00
	100 Gbps Port	EY7AG	\$16,000.00	\$15,000.00	\$10,000.00	\$9,000.00	\$8,000.00
PPCoS	100 Mbps Port	EYQLX	\$880.00	\$784.00	\$468.00	\$438.00	\$414.00
	1 Gbps Port	EYQMX	\$1,344.00	\$1,104.00	\$820.00	\$666.00	\$612.00
	10 Gbps Port	EYQNX	\$9,600.00	\$9,120.00	\$5,400.00	\$4,680.00	\$4,140.00
	100 Gbps Port	EY7AH	\$19,200.00	\$18,000.00	\$12,000.00	\$10,800.00	\$9,600.00
ENNI	10 Gbps Port	EYQGX	\$8,000.00	\$7,600.00	\$4,500.00	\$3,900.00	\$3,450.00

* Nonrecurring Charges are waived for service ordered under an EPP as specified in Section 4, P-2(1).

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate

P-4.2.1 Nonrecurring Charges

Committed Information Rate (any CoS) - Nonrecurring Charges		
CIR	USOC	Nonrecurring Charges*
2 Mbps	R6E2X	\$150.00
4 Mbps	R6E4X	\$150.00
5 Mbps	R6EAX	\$150.00
8 Mbps	R6E8X	\$150.00
10 Mbps	R6EBX	\$150.00
20 Mbps	R6EDX	\$150.00
50 Mbps	R6EHX	\$150.00
100 Mbps	R6ELX	\$150.00
150 Mbps	R6ENX	\$150.00
250 Mbps	R6EQX	\$150.00
400 Mbps	R6ESX	\$150.00
500 Mbps	R6ETX	\$150.00
600 Mbps	R6EUX	\$150.00
1,000 Mbps	R6EZX	\$150.00
2,000 Mbps	R61BX	\$150.00
2,500 Mbps	R61CX	\$150.00
4,000 Mbps	R61FX	\$150.00
5,000 Mbps	R61HX	\$150.00
7,500 Mbps	R61NX	\$150.00
9,500 Mbps	R61RX	\$150.00
10,000 Mbps	R61SX	\$150.00
15,000 Mbps	R612X	\$150.00
20,000 Mbps	R613X	\$150.00
25,000 Mbps	R614X	\$150.00
30,000 Mbps	R615X	\$150.00
35,000 Mbps	R616X	\$150.00
40,000 Mbps	R617X	\$150.00
45,000 Mbps	R618X	\$150.00
50,000 Mbps	R619X	\$150.00
60,000 Mbps	R61TX	\$150.00
70,000 Mbps	R61UX	\$150.00
80,000 Mbps	R61VX	\$150.00
90,000 Mbps	R61WX	\$150.00
100,000 Mbps	R61XX	\$150.00

* Nonrecurring Charges are waived for service ordered under an EPP as specified in Section 4, P-2(1).

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.2 Class of Service and Committed Information Rate - Basic Arrangement -
 Term Extension MTM Rates

Class of Service and Committed Information Rate - Basic Arrangement Term Extension MTM Rates						
CIR	USOC	Real Time	Interactive	Business Critical - High	Business Critical - Medium	Non- Critical - High
2 Mbps	R6E2X	\$1,200.00	\$1,100.00	\$1,075.00	\$1,050.00	\$950.00
4 Mbps	R6E4X	\$1,275.00	\$1,175.00	\$1,125.00	\$1,075.00	\$975.00
5 Mbps	R6EAX	\$1,350.00	\$1,250.00	\$1,200.00	\$1,150.00	\$1,050.00
8 Mbps	R6E8X	\$1,375.00	\$1,275.00	\$1,225.00	\$1,175.00	\$1,075.00
10 Mbps	R6EBX	\$1,475.00	\$1,375.00	\$1,325.00	\$1,275.00	\$1,175.00
20 Mbps	R6EDX	\$2,070.00	\$1,800.00	\$1,630.00	\$1,460.00	\$1,390.00
50 Mbps	R6EHX	\$2,300.00	\$2,000.00	\$1,840.00	\$1,680.00	\$1,600.00
100 Mbps	R6ELX	\$2,620.00	\$2,270.00	\$2,115.00	\$1,960.00	\$1,870.00
150 Mbps	R6ENX	\$3,330.00	\$2,890.00	\$2,570.00	\$2,250.00	\$2,140.00
250 Mbps	R6EQX	\$3,700.00	\$3,210.00	\$2,895.00	\$2,580.00	\$2,460.00
400 Mbps	R6ESX	\$4,050.00	\$3,520.00	\$3,195.00	\$2,875.00	\$2,735.00
500 Mbps	R6ETX	\$4,280.00	\$3,720.00	\$3,395.00	\$3,070.00	\$2,920.00
600 Mbps	R6EUX	\$4,880.00	\$4,240.00	\$3,920.00	\$3,600.00	\$3,420.00
1,000 Mbps	R6EZX	\$5,550.00	\$4,820.00	\$4,500.00	\$4,180.00	\$3,980.00
2,000 Mbps	R61BX	\$7,909.00	\$7,399.00	\$7,151.00	\$6,902.00	\$6,560.00
2,500 Mbps	R61CX	\$9,491.00	\$8,863.00	\$8,569.00	\$8,275.00	\$7,870.00
4,000 Mbps	R61FX	\$11,203.00	\$10,471.00	\$10,125.00	\$9,778.00	\$9,290.00
5,000 Mbps	R61HX	\$13,177.00	\$12,314.00	\$11,909.00	\$11,504.00	\$10,930.00
7,500 Mbps	R61NX	\$17,308.00	\$16,170.00	\$15,634.00	\$15,099.00	\$14,350.00
9,500 Mbps	R61RX	\$20,602.00	\$19,242.00	\$18,608.00	\$17,974.00	\$17,080.00
10,000 Mbps	R61SX	\$21,412.00	\$20,014.00	\$19,353.00	\$18,693.00	\$17,760.00
15,000 Mbps	R612X	\$24,970.00	\$23,340.00	\$22,570.00	\$21,810.00	\$20,720.00
20,000 Mbps	R613X	\$28,530.00	\$26,660.00	\$25,790.00	\$24,920.00	\$23,670.00
25,000 Mbps	R614X	\$32,110.00	\$30,000.00	\$29,020.00	\$28,040.00	\$26,640.00
30,000 Mbps	R615X	\$35,680.00	\$33,340.00	\$32,250.00	\$31,160.00	\$29,600.00
35,000 Mbps	R616X	\$39,240.00	\$36,670.00	\$35,470.00	\$34,270.00	\$32,560.00
40,000 Mbps	R617X	\$42,810.00	\$40,010.00	\$38,700.00	\$37,390.00	\$35,520.00
45,000 Mbps	R618X	\$46,370.00	\$43,340.00	\$41,920.00	\$40,500.00	\$38,480.00
50,000 Mbps	R619X	\$49,940.00	\$46,670.00	\$45,150.00	\$43,620.00	\$41,440.00
60,000 Mbps	R61TX	\$53,510.00	\$50,000.00	\$48,370.00	\$46,730.00	\$44,390.00
70,000 Mbps	R61UX	\$57,080.00	\$53,340.00	\$51,590.00	\$49,850.00	\$47,360.00
80,000 Mbps	R61VX	\$62,430.00	\$58,340.00	\$56,430.00	\$54,520.00	\$51,790.00
90,000 Mbps	R61WX	\$67,770.00	\$63,330.00	\$61,260.00	\$59,190.00	\$56,230.00
100,000 Mbps	R61XX	\$71,340.00	\$66,670.00	\$64,490.00	\$62,310.00	\$59,190.00

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.3 Class of Service and Committed Information Rate - Basic Arrangement -
 12 Month Rates

Class of Service and Committed Information Rate - Basic Arrangement 12 Month Rates						
CIR	USOC	Real Time	Interactive	Business Critical - High	Business Critical - Medium	Non- Critical - High
2 Mbps	R6E2X	\$920.00	\$860.00	\$830.00	\$800.00	\$740.00
4 Mbps	R6E4X	\$940.00	\$880.00	\$850.00	\$820.00	\$760.00
5 Mbps	R6EAX	\$1,000.00	\$940.00	\$910.00	\$880.00	\$820.00
8 Mbps	R6E8X	\$1,020.00	\$960.00	\$930.00	\$900.00	\$840.00
10 Mbps	R6EBX	\$1,076.00	\$1,016.00	\$986.00	\$956.00	\$896.00
20 Mbps	R6EDX	\$1,504.00	\$1,304.00	\$1,180.00	\$1,056.00	\$1,008.00
50 Mbps	R6EHX	\$1,672.00	\$1,448.00	\$1,332.00	\$1,216.00	\$1,160.00
100 Mbps	R6ELX	\$1,896.00	\$1,648.00	\$1,536.00	\$1,424.00	\$1,360.00
150 Mbps	R6ENX	\$2,416.00	\$2,096.00	\$1,864.00	\$1,632.00	\$1,552.00
250 Mbps	R6EQX	\$2,680.00	\$2,328.00	\$2,100.00	\$1,872.00	\$1,784.00
400 Mbps	R6ESX	\$2,940.00	\$2,556.00	\$2,320.00	\$2,088.00	\$1,992.00
500 Mbps	R6ETX	\$3,112.00	\$2,704.00	\$2,468.00	\$2,232.00	\$2,128.00
600 Mbps	R6EUX	\$3,544.00	\$3,080.00	\$2,848.00	\$2,616.00	\$2,488.00
1,000 Mbps	R6EZX	\$4,032.00	\$3,504.00	\$3,272.00	\$3,040.00	\$2,888.00
2,000 Mbps	R61BX	\$5,694.00	\$5,327.00	\$5,149.00	\$4,970.00	\$4,728.00
2,500 Mbps	R61CX	\$6,834.00	\$6,382.00	\$6,170.00	\$5,958.00	\$5,664.00
4,000 Mbps	R61FX	\$8,066.00	\$7,539.00	\$7,290.00	\$7,040.00	\$6,688.00
5,000 Mbps	R61HX	\$9,487.00	\$8,866.00	\$8,574.00	\$8,282.00	\$7,872.00
7,500 Mbps	R61NX	\$12,462.00	\$11,642.00	\$11,257.00	\$10,871.00	\$10,328.00
9,500 Mbps	R61RX	\$14,834.00	\$13,854.00	\$13,398.00	\$12,942.00	\$12,296.00
10,000 Mbps	R61SX	\$15,417.00	\$14,410.00	\$13,934.00	\$13,459.00	\$12,792.00
15,000 Mbps	R612X	\$17,980.00	\$16,800.00	\$16,250.00	\$15,700.00	\$14,920.00
20,000 Mbps	R613X	\$20,540.00	\$19,200.00	\$18,570.00	\$17,940.00	\$17,040.00
25,000 Mbps	R614X	\$23,120.00	\$21,600.00	\$20,900.00	\$20,190.00	\$19,180.00
30,000 Mbps	R615X	\$25,680.00	\$24,000.00	\$23,220.00	\$22,430.00	\$21,310.00
35,000 Mbps	R616X	\$28,250.00	\$26,400.00	\$25,530.00	\$24,670.00	\$23,440.00
40,000 Mbps	R617X	\$30,820.00	\$28,800.00	\$27,860.00	\$26,920.00	\$25,570.00
45,000 Mbps	R618X	\$33,390.00	\$31,200.00	\$30,180.00	\$29,160.00	\$27,700.00
50,000 Mbps	R619X	\$35,950.00	\$33,600.00	\$32,500.00	\$31,400.00	\$29,830.00
60,000 Mbps	R61TX	\$38,530.00	\$36,010.00	\$34,830.00	\$33,650.00	\$31,970.00
70,000 Mbps	R61UX	\$41,090.00	\$38,400.00	\$37,150.00	\$35,890.00	\$34,100.00
80,000 Mbps	R61VX	\$44,940.00	\$42,000.00	\$40,620.00	\$39,250.00	\$37,290.00
90,000 Mbps	R61WX	\$48,800.00	\$45,600.00	\$44,110.00	\$42,620.00	\$40,490.00
100,000 Mbps	R61XX	\$51,360.00	\$48,000.00	\$46,430.00	\$44,860.00	\$42,620.00

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Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.4 Class of Service and Committed Information Rate - Basic Arrangement -
 24 Month Rates

Class of Service and Committed Information Rate - Basic Arrangement 24 Month Rates						
CIR	USOC	Real Time	Interactive	Business Critical - High	Business Critical - Medium	Non- Critical - High
2 Mbps	R6E2X	\$408.00	\$376.00	\$320.00	\$264.00	\$248.00
4 Mbps	R6E4X	\$440.00	\$416.00	\$364.00	\$312.00	\$296.00
5 Mbps	R6EAX	\$520.00	\$488.00	\$444.00	\$400.00	\$372.00
8 Mbps	R6E8X	\$600.00	\$560.00	\$524.00	\$488.00	\$456.00
10 Mbps	R6EBX	\$808.00	\$752.00	\$664.00	\$576.00	\$536.00
20 Mbps	R6EDX	\$1,040.00	\$968.00	\$880.00	\$792.00	\$740.00
50 Mbps	R6EHX	\$1,168.00	\$1,080.00	\$992.00	\$904.00	\$844.00
100 Mbps	R6ELX	\$1,320.00	\$1,232.00	\$1,144.00	\$1,056.00	\$984.00
150 Mbps	R6ENX	\$1,507.00	\$1,397.00	\$1,342.00	\$1,330.00	\$1,195.00
250 Mbps	R6EQX	\$1,950.00	\$1,815.00	\$1,632.00	\$1,450.00	\$1,345.00
400 Mbps	R6ESX	\$2,105.00	\$1,955.00	\$1,775.00	\$1,595.00	\$1,485.00
500 Mbps	R6ETX	\$2,198.00	\$2,045.00	\$1,868.00	\$1,689.00	\$1,572.00
600 Mbps	R6EUX	\$2,480.00	\$2,312.00	\$2,136.00	\$1,960.00	\$1,824.00
1,000 Mbps	R6EZX	\$2,808.00	\$2,624.00	\$2,400.00	\$2,272.00	\$2,112.00
2,000 Mbps	R61BX	\$4,840.00	\$4,528.00	\$4,376.00	\$4,224.00	\$3,936.00
2,500 Mbps	R61CX	\$5,808.00	\$5,424.00	\$5,244.00	\$5,064.00	\$4,720.00
4,000 Mbps	R61FX	\$6,856.00	\$6,408.00	\$6,196.00	\$5,984.00	\$5,576.00
5,000 Mbps	R61HX	\$8,064.00	\$7,536.00	\$7,288.00	\$7,040.00	\$6,560.00
7,500 Mbps	R61NX	\$10,592.00	\$9,896.00	\$9,568.00	\$9,240.00	\$8,612.00
9,500 Mbps	R61RX	\$12,608.00	\$11,776.00	\$11,388.00	\$11,000.00	\$10,252.00
10,000 Mbps	R61SX	\$13,104.00	\$12,248.00	\$11,844.00	\$11,440.00	\$10,660.00
15,000 Mbps	R612X	\$15,290.00	\$14,280.00	\$13,820.00	\$13,350.00	\$12,680.00
20,000 Mbps	R613X	\$17,460.00	\$16,320.00	\$15,780.00	\$15,250.00	\$14,490.00
25,000 Mbps	R614X	\$19,650.00	\$18,360.00	\$17,760.00	\$17,160.00	\$16,300.00
30,000 Mbps	R615X	\$21,840.00	\$20,400.00	\$19,740.00	\$19,070.00	\$18,120.00
35,000 Mbps	R616X	\$24,010.00	\$22,440.00	\$21,700.00	\$20,970.00	\$19,920.00
40,000 Mbps	R617X	\$26,200.00	\$24,480.00	\$23,680.00	\$22,880.00	\$21,740.00
45,000 Mbps	R618X	\$28,370.00	\$26,510.00	\$25,650.00	\$24,780.00	\$23,540.00
50,000 Mbps	R619X	\$30,560.00	\$28,560.00	\$27,620.00	\$26,690.00	\$25,360.00
60,000 Mbps	R61TX	\$32,750.00	\$30,600.00	\$29,600.00	\$28,600.00	\$27,170.00
70,000 Mbps	R61UX	\$34,920.00	\$32,640.00	\$31,570.00	\$30,500.00	\$28,980.00
80,000 Mbps	R61VX	\$38,200.00	\$35,700.00	\$34,530.00	\$33,360.00	\$31,690.00
90,000 Mbps	R61WX	\$41,470.00	\$38,760.00	\$37,490.00	\$36,220.00	\$34,410.00
100,000 Mbps	R61XX	\$43,660.00	\$40,800.00	\$39,460.00	\$38,130.00	\$36,220.00

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Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.5 Class of Service and Committed Information Rate - Basic Arrangement -
 36, 48, and 60 Month Rates

Class of Service and Committed Information Rate - Basic Arrangement 36, 48, and 60 Month Rates						
CIR	USOC	Real Time	Interactive	Business Critical - High	Business Critical - Medium	Non- Critical - High
2 Mbps	R6E2X	\$312.00	\$288.00	\$245.00	\$204.00	\$197.00
4 Mbps	R6E4X	\$345.00	\$320.00	\$282.00	\$242.00	\$235.00
5 Mbps	R6EAX	\$382.00	\$356.00	\$318.00	\$280.00	\$268.00
8 Mbps	R6E8X	\$408.00	\$381.00	\$357.00	\$330.00	\$318.00
10 Mbps	R6EBX	\$546.00	\$510.00	\$450.00	\$390.00	\$372.00
20 Mbps	R6EDX	\$708.00	\$660.00	\$600.00	\$540.00	\$516.00
50 Mbps	R6EHX	\$792.00	\$735.00	\$675.00	\$615.00	\$588.00
100 Mbps	R6ELX	\$900.00	\$840.00	\$780.00	\$720.00	\$684.00
150 Mbps	R6ENX	\$980.00	\$915.00	\$1,016.00	\$838.00	\$797.00
250 Mbps	R6EQX	\$1,285.00	\$1,195.00	\$1,075.00	\$955.00	\$910.00
400 Mbps	R6ESX	\$1,398.00	\$1,302.00	\$1,182.00	\$1,062.00	\$1,011.00
500 Mbps	R6ETX	\$1,482.00	\$1,380.00	\$1,474.00	\$1,140.00	\$1,086.00
600 Mbps	R6EUX	\$1,686.00	\$1,575.00	\$1,574.00	\$1,335.00	\$1,272.00
1,000 Mbps	R6EZX	\$1,914.00	\$1,785.00	\$2,300.00	\$1,545.00	\$1,470.00
2,000 Mbps	R61BX	\$3,300.00	\$3,084.00	\$2,982.00	\$2,880.00	\$2,736.00
2,500 Mbps	R61CX	\$3,960.00	\$3,696.00	\$3,573.00	\$3,450.00	\$3,282.00
4,000 Mbps	R61FX	\$4,674.00	\$4,368.00	\$4,224.00	\$4,080.00	\$3,876.00
5,000 Mbps	R61HX	\$5,496.00	\$5,136.00	\$4,968.00	\$4,800.00	\$4,560.00
7,500 Mbps	R61NX	\$7,218.00	\$6,744.00	\$6,522.00	\$6,300.00	\$5,988.00
9,500 Mbps	R61RX	\$8,592.00	\$8,028.00	\$7,764.00	\$7,500.00	\$7,128.00
10,000 Mbps	R61SX	\$8,934.00	\$8,346.00	\$8,073.00	\$7,800.00	\$7,410.00
15,000 Mbps	R612X	\$10,720.00	\$10,020.00	\$9,690.00	\$9,360.00	\$8,890.00
20,000 Mbps	R613X	\$12,500.00	\$11,680.00	\$11,300.00	\$10,920.00	\$10,370.00
25,000 Mbps	R614X	\$14,290.00	\$13,350.00	\$12,920.00	\$12,480.00	\$11,860.00
30,000 Mbps	R615X	\$16,080.00	\$15,020.00	\$14,530.00	\$14,040.00	\$13,340.00
35,000 Mbps	R616X	\$17,860.00	\$16,690.00	\$16,150.00	\$15,600.00	\$14,820.00
40,000 Mbps	R617X	\$19,650.00	\$18,360.00	\$17,760.00	\$17,160.00	\$16,300.00
45,000 Mbps	R618X	\$21,430.00	\$20,030.00	\$19,380.00	\$18,720.00	\$17,780.00
50,000 Mbps	R619X	\$23,220.00	\$21,700.00	\$20,990.00	\$20,280.00	\$19,270.00
60,000 Mbps	R61TX	\$25,010.00	\$23,370.00	\$22,600.00	\$21,840.00	\$20,750.00
70,000 Mbps	R61UX	\$26,790.00	\$25,040.00	\$24,220.00	\$23,400.00	\$22,230.00
80,000 Mbps	R61VX	\$29,470.00	\$27,540.00	\$26,640.00	\$25,740.00	\$24,450.00
90,000 Mbps	R61WX	\$32,150.00	\$30,050.00	\$29,060.00	\$28,080.00	\$26,680.00
100,000 Mbps	R61XX	\$35,720.00	\$33,380.00	\$32,290.00	\$31,200.00	\$29,640.00

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NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.6 Class of Service and Committed Information Rate - PPCoS Arrangement -
 Term Extension MTM Rates

Class of Service and Committed Information Rate - PPCoS Arrangement					
Term Extension MTM Rates					
CIR	USOC	Multimedia High	Multimedia Standard	Critical Data	Business Data
2 Mbps	R6E2X	\$1,200.00	\$1,100.00	\$1,050.00	\$950.00
4 Mbps	R6E4X	\$1,275.00	\$1,175.00	\$1,075.00	\$975.00
5 Mbps	R6EAX	\$1,350.00	\$1,250.00	\$1,150.00	\$1,050.00
8 Mbps	R6E8X	\$1,375.00	\$1,275.00	\$1,175.00	\$1,075.00
10 Mbps	R6EBX	\$1,475.00	\$1,375.00	\$1,275.00	\$1,175.00
20 Mbps	R6EDX	\$2,070.00	\$1,800.00	\$1,460.00	\$1,390.00
50 Mbps	R6EHX	\$2,300.00	\$2,000.00	\$1,680.00	\$1,600.00
100 Mbps	R6ELX	\$2,620.00	\$2,270.00	\$1,960.00	\$1,870.00
150 Mbps	R6ENX	\$3,330.00	\$2,890.00	\$2,250.00	\$2,140.00
250 Mbps	R6EQX	\$3,700.00	\$3,210.00	\$2,580.00	\$2,460.00
400 Mbps	R6ESX	\$4,050.00	\$3,520.00	\$2,875.00	\$2,735.00
500 Mbps	R6ETX	\$4,280.00	\$3,720.00	\$3,070.00	\$2,920.00
600 Mbps	R6EUX	\$4,880.00	\$4,240.00	\$3,600.00	\$3,420.00
1,000 Mbps	R6EZC	\$5,550.00	\$4,820.00	\$4,180.00	\$3,980.00
2,000 Mbps	R61BX	\$7,909.00	\$7,399.00	\$6,902.00	\$6,560.00
2,500 Mbps	R61CX	\$9,491.00	\$8,863.00	\$8,275.00	\$7,870.00
4,000 Mbps	R61FX	\$11,203.00	\$10,471.00	\$9,778.00	\$9,290.00
5,000 Mbps	R61HX	\$13,177.00	\$12,314.00	\$11,504.00	\$10,930.00
7,500 Mbps	R61NX	\$17,308.00	\$16,170.00	\$15,099.00	\$14,350.00
9,500 Mbps	R61RX	\$20,602.00	\$19,242.00	\$17,974.00	\$17,080.00
10,000 Mbps	R61SX	\$21,412.00	\$20,014.00	\$18,693.00	\$17,760.00
15,000 Mbps	R612X	\$24,970.00	\$23,340.00	\$21,810.00	\$20,720.00
20,000 Mbps	R613X	\$28,530.00	\$26,660.00	\$24,920.00	\$23,670.00
25,000 Mbps	R614X	\$32,110.00	\$30,000.00	\$28,040.00	\$26,640.00
30,000 Mbps	R615X	\$35,680.00	\$33,340.00	\$31,160.00	\$29,600.00
35,000 Mbps	R616X	\$39,240.00	\$36,670.00	\$34,270.00	\$32,560.00
40,000 Mbps	R617X	\$42,810.00	\$40,010.00	\$37,390.00	\$35,520.00
45,000 Mbps	R618X	\$46,370.00	\$43,340.00	\$40,500.00	\$38,480.00
50,000 Mbps	R619X	\$49,940.00	\$46,670.00	\$43,620.00	\$41,440.00
60,000 Mbps	R61TX	\$53,510.00	\$50,000.00	\$46,730.00	\$44,390.00
70,000 Mbps	R61UX	\$57,080.00	\$53,340.00	\$49,850.00	\$47,360.00
80,000 Mbps	R61VX	\$62,430.00	\$58,340.00	\$54,520.00	\$51,790.00
90,000 Mbps	R61WX	\$67,770.00	\$63,330.00	\$59,190.00	\$56,230.00
100,000 Mbps	R61XX	\$71,340.00	\$66,670.00	\$62,310.00	\$59,190.00

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NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.7 Class of Service and Committed Information Rate - PPCoS Arrangement -
 12 Month Rates

Class of Service and Committed Information Rate - PPCoS Arrangement 12 Month Rates					
CIR	USOC	Multimedia High	Multimedia Standard	Critical Data	Business Data
2 Mbps	R6E2X	\$920.00	\$860.00	\$800.00	\$740.00
4 Mbps	R6E4X	\$940.00	\$880.00	\$820.00	\$760.00
5 Mbps	R6EAX	\$1,000.00	\$940.00	\$880.00	\$820.00
8 Mbps	R6E8X	\$1,020.00	\$960.00	\$900.00	\$840.00
10 Mbps	R6EBX	\$1,076.00	\$1,016.00	\$956.00	\$896.00
20 Mbps	R6EDX	\$1,504.00	\$1,304.00	\$1,056.00	\$1,008.00
50 Mbps	R6EHX	\$1,672.00	\$1,448.00	\$1,216.00	\$1,160.00
100 Mbps	R6ELX	\$1,896.00	\$1,648.00	\$1,424.00	\$1,360.00
150 Mbps	R6ENX	\$2,416.00	\$2,096.00	\$1,632.00	\$1,552.00
250 Mbps	R6EQX	\$2,680.00	\$2,328.00	\$1,872.00	\$1,784.00
400 Mbps	R6ESX	\$2,940.00	\$2,556.00	\$2,088.00	\$1,992.00
500 Mbps	R6ETX	\$3,112.00	\$2,704.00	\$2,232.00	\$2,128.00
600 Mbps	R6EUX	\$3,544.00	\$3,080.00	\$2,616.00	\$2,488.00
1,000 Mbps	R6EZX	\$4,032.00	\$3,504.00	\$3,040.00	\$2,888.00
2,000 Mbps	R61BX	\$5,694.00	\$5,327.00	\$4,970.00	\$4,728.00
2,500 Mbps	R61CX	\$6,834.00	\$6,382.00	\$5,958.00	\$5,664.00
4,000 Mbps	R61FX	\$8,066.00	\$7,539.00	\$7,040.00	\$6,688.00
5,000 Mbps	R61HX	\$9,487.00	\$8,866.00	\$8,282.00	\$7,872.00
7,500 Mbps	R61NX	\$12,462.00	\$11,642.00	\$10,871.00	\$10,328.00
9,500 Mbps	R61RX	\$14,834.00	\$13,854.00	\$12,942.00	\$12,296.00
10,000 Mbps	R61SX	\$15,417.00	\$14,410.00	\$13,459.00	\$12,792.00
15,000 Mbps	R612X	\$17,980.00	\$16,800.00	\$15,700.00	\$14,920.00
20,000 Mbps	R613X	\$20,540.00	\$19,200.00	\$17,940.00	\$17,040.00
25,000 Mbps	R614X	\$23,120.00	\$21,600.00	\$20,190.00	\$19,180.00
30,000 Mbps	R615X	\$25,680.00	\$24,000.00	\$22,430.00	\$21,310.00
35,000 Mbps	R616X	\$28,250.00	\$26,400.00	\$24,670.00	\$23,440.00
40,000 Mbps	R617X	\$30,820.00	\$28,800.00	\$26,920.00	\$25,570.00
45,000 Mbps	R618X	\$33,390.00	\$31,200.00	\$29,160.00	\$27,700.00
50,000 Mbps	R619X	\$35,950.00	\$33,600.00	\$31,400.00	\$29,830.00
60,000 Mbps	R61TX	\$38,530.00	\$36,010.00	\$33,650.00	\$31,970.00
70,000 Mbps	R61UX	\$41,090.00	\$38,400.00	\$35,890.00	\$34,100.00
80,000 Mbps	R61VX	\$44,940.00	\$42,000.00	\$39,250.00	\$37,290.00
90,000 Mbps	R61WX	\$48,800.00	\$45,600.00	\$42,620.00	\$40,490.00
100,000 Mbps	R61XX	\$51,360.00	\$48,000.00	\$44,860.00	\$42,620.00

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.8 Class of Service and Committed Information Rate - PPCoS Arrangement -
 24 Month Rates

Class of Service and Committed Information Rate - PPCoS Arrangement 24 Month Rates					
CIR	USOC	Multimedia High	Multimedia Standard	Critical Data	Business Data
2 Mbps	R6E2X	\$408.00	\$376.00	\$260.00	\$250.00
4 Mbps	R6E4X	\$440.00	\$416.00	\$312.00	\$296.00
5 Mbps	R6EAX	\$520.00	\$488.00	\$400.00	\$372.00
8 Mbps	R6E8X	\$600.00	\$560.00	\$488.00	\$456.00
10 Mbps	R6EBX	\$808.00	\$752.00	\$576.00	\$536.00
20 Mbps	R6EDX	\$1,040.00	\$968.00	\$792.00	\$740.00
50 Mbps	R6EHX	\$1,168.00	\$1,080.00	\$904.00	\$844.00
100 Mbps	R6ELX	\$1,320.00	\$1,232.00	\$1,056.00	\$984.00
150 Mbps	R6ENX	\$1,507.00	\$1,397.00	\$1,216.00	\$1,128.00
250 Mbps	R6EQX	\$1,950.00	\$1,815.00	\$1,392.00	\$1,292.00
400 Mbps	R6ESX	\$2,105.00	\$1,955.00	\$1,560.00	\$1,452.00
500 Mbps	R6ETX	\$2,198.00	\$2,045.00	\$1,672.00	\$1,556.00
600 Mbps	R6EUX	\$2,480.00	\$2,312.00	\$1,960.00	\$1,824.00
1,000 Mbps	R6EZX	\$2,808.00	\$2,624.00	\$2,272.00	\$2,112.00
2,000 Mbps	R61BX	\$4,840.00	\$4,528.00	\$4,224.00	\$3,936.00
2,500 Mbps	R61CX	\$5,808.00	\$5,424.00	\$5,064.00	\$4,720.00
4,000 Mbps	R61FX	\$6,856.00	\$6,408.00	\$5,984.00	\$5,576.00
5,000 Mbps	R61HX	\$8,064.00	\$7,536.00	\$7,040.00	\$6,560.00
7,500 Mbps	R61NX	\$10,592.00	\$9,896.00	\$9,240.00	\$8,612.00
9,500 Mbps	R61RX	\$12,608.00	\$11,776.00	\$11,000.00	\$10,252.00
10,000 Mbps	R61SX	\$13,104.00	\$12,248.00	\$11,440.00	\$10,660.00
15,000 Mbps	R612X	\$15,290.00	\$14,280.00	\$13,350.00	\$12,680.00
20,000 Mbps	R613X	\$17,460.00	\$16,320.00	\$15,250.00	\$14,490.00
25,000 Mbps	R614X	\$19,650.00	\$18,360.00	\$17,160.00	\$16,300.00
30,000 Mbps	R615X	\$21,840.00	\$20,400.00	\$19,070.00	\$18,120.00
35,000 Mbps	R616X	\$24,010.00	\$22,440.00	\$20,970.00	\$19,920.00
40,000 Mbps	R617X	\$26,200.00	\$24,480.00	\$22,880.00	\$21,740.00
45,000 Mbps	R618X	\$28,370.00	\$26,510.00	\$24,780.00	\$23,540.00
50,000 Mbps	R619X	\$30,560.00	\$28,560.00	\$26,690.00	\$25,360.00
60,000 Mbps	R61TX	\$32,750.00	\$30,600.00	\$28,600.00	\$27,170.00
70,000 Mbps	R61UX	\$34,920.00	\$32,640.00	\$30,500.00	\$28,980.00
80,000 Mbps	R61VX	\$38,200.00	\$35,700.00	\$33,360.00	\$31,690.00
90,000 Mbps	R61WX	\$41,470.00	\$38,760.00	\$36,220.00	\$34,410.00
100,000 Mbps	R61XX	\$43,660.00	\$40,800.00	\$38,130.00	\$36,220.00

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Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.9 Class of Service and Committed Information Rate - PPCoS Arrangement -
 36, 48, and 60 Month Rates

Class of Service and Committed Information Rate - PPCoS Arrangement 36, 48, and 60 Month Rates					
CIR	USOC	Multimedia High	Multimedia Standard	Critical Data	Business Data
2 Mbps	R6E2X	\$312.00	\$288.00	\$252.00	\$240.00
4 Mbps	R6E4X	\$345.00	\$320.00	\$263.00	\$245.00
5 Mbps	R6EAX	\$382.00	\$356.00	\$270.00	\$258.00
8 Mbps	R6E8X	\$408.00	\$381.00	\$330.00	\$318.00
10 Mbps	R6EBX	\$546.00	\$510.00	\$390.00	\$372.00
20 Mbps	R6EDX	\$708.00	\$660.00	\$540.00	\$516.00
50 Mbps	R6EHX	\$792.00	\$735.00	\$615.00	\$588.00
100 Mbps	R6ELX	\$900.00	\$840.00	\$720.00	\$684.00
150 Mbps	R6ENX	\$980.00	\$915.00	\$825.00	\$786.00
250 Mbps	R6EQX	\$1,285.00	\$1,195.00	\$945.00	\$900.00
400 Mbps	R6ESX	\$1,398.00	\$1,302.00	\$1,062.00	\$1,011.00
500 Mbps	R6ETX	\$1,482.00	\$1,380.00	\$1,140.00	\$1,086.00
600 Mbps	R6EUX	\$1,686.00	\$1,575.00	\$1,335.00	\$1,272.00
1,000 Mbps	R6EZX	\$1,914.00	\$1,785.00	\$1,545.00	\$1,470.00
2,000 Mbps	R61BX	\$3,300.00	\$3,084.00	\$2,880.00	\$2,736.00
2,500 Mbps	R61CX	\$3,960.00	\$3,696.00	\$3,450.00	\$3,282.00
4,000 Mbps	R61FX	\$4,674.00	\$4,368.00	\$4,080.00	\$3,876.00
5,000 Mbps	R61HX	\$5,496.00	\$5,136.00	\$4,800.00	\$4,560.00
7,500 Mbps	R61NX	\$7,218.00	\$6,744.00	\$6,300.00	\$5,988.00
9,500 Mbps	R61RX	\$8,592.00	\$8,028.00	\$7,500.00	\$7,128.00
10,000 Mbps	R61SX	\$8,934.00	\$8,346.00	\$7,800.00	\$7,410.00
15,000 Mbps	R612X	\$10,720.00	\$10,020.00	\$9,360.00	\$8,890.00
20,000 Mbps	R613X	\$12,500.00	\$11,680.00	\$10,920.00	\$10,370.00
25,000 Mbps	R614X	\$14,290.00	\$13,350.00	\$12,480.00	\$11,860.00
30,000 Mbps	R615X	\$16,080.00	\$15,020.00	\$14,040.00	\$13,340.00
35,000 Mbps	R616X	\$17,860.00	\$16,690.00	\$15,600.00	\$14,820.00
40,000 Mbps	R617X	\$19,650.00	\$18,360.00	\$17,160.00	\$16,300.00
45,000 Mbps	R618X	\$21,430.00	\$20,030.00	\$18,720.00	\$17,780.00
50,000 Mbps	R619X	\$23,220.00	\$21,700.00	\$20,280.00	\$19,270.00
60,000 Mbps	R61TX	\$25,010.00	\$23,370.00	\$21,840.00	\$20,750.00
70,000 Mbps	R61UX	\$26,790.00	\$25,040.00	\$23,400.00	\$22,230.00
80,000 Mbps	R61VX	\$29,470.00	\$27,540.00	\$25,740.00	\$24,450.00
90,000 Mbps	R61WX	\$32,150.00	\$30,050.00	\$28,080.00	\$26,680.00
100,000 Mbps	R61XX	\$35,720.00	\$33,380.00	\$31,200.00	\$29,640.00

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.10 Reserved for future use

P-4.2.11 Reserved for future use

P-4.2.12 Class of Service and Committed Information Rate - ENNI Arrangement -
 Term Extension MTM Rates

Class of Service and Committed Information Rate - ENNI Arrangement - Term Extension MTM Rates						
CIR	USOC	Real Time	Interactive	Business Critical - High	Business Critical - Medium	Non- Critical - High
1,000 Mbps	R6EZX	\$5,550.00	\$4,820.00	\$4,500.00	\$4,180.00	\$3,980.00
2,000 Mbps	R61BX	\$7,909.00	\$7,399.00	\$7,151.00	\$6,902.00	\$6,560.00
2,500 Mbps	R61CX	\$9,491.00	\$8,863.00	\$8,569.00	\$8,275.00	\$7,870.00
4,000 Mbps	R61FX	\$11,203.00	\$10,471.00	\$10,125.00	\$9,778.00	\$9,290.00
5,000 Mbps	R61HX	\$13,177.00	\$12,314.00	\$11,909.00	\$11,504.00	\$10,930.00
7,500 Mbps	R61NX	\$17,308.00	\$16,170.00	\$15,634.00	\$15,099.00	\$14,350.00
9,500 Mbps	R61RX	\$20,602.00	\$19,242.00	\$18,608.00	\$17,974.00	\$17,080.00
10,000 Mbps	R61SX	\$21,412.00	\$20,014.00	\$19,353.00	\$18,693.00	\$17,760.00

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Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.2 Class of Service and Committed Information Rate (Cont'd)

P-4.2.13 Class of Service and Committed Information Rate - ENNI Arrangement -
 12 Month Rates

Class of Service and Committed Information Rate - ENNI Arrangement 12 Month Rates						
CIR	USOC	Real Time	Interactive	Business Critical - High	Business Critical - Medium	Non- Critical - High
1,000 Mbps	R6EZX	\$4,032.00	\$3,504.00	\$3,272.00	\$3,040.00	\$2,888.00
2,000 Mbps	R61BX	\$5,694.00	\$5,327.00	\$5,149.00	\$4,970.00	\$4,728.00
2,500 Mbps	R61CX	\$6,834.00	\$6,382.00	\$6,170.00	\$5,958.00	\$5,664.00
4,000 Mbps	R61FX	\$8,066.00	\$7,539.00	\$7,290.00	\$7,040.00	\$6,688.00
5,000 Mbps	R61HX	\$9,487.00	\$8,866.00	\$8,574.00	\$8,282.00	\$7,872.00
7,500 Mbps	R61NX	\$12,462.00	\$11,642.00	\$11,257.00	\$10,871.00	\$10,328.00
9,500 Mbps	R61RX	\$14,834.00	\$13,854.00	\$13,398.00	\$12,942.00	\$12,296.00
10,000 Mbps	R61SX	\$15,417.00	\$14,410.00	\$13,934.00	\$13,459.00	\$12,792.00

P-4.2.14 Class of Service and Committed Information Rate - ENNI Arrangement -
 24 Month Rates

Class of Service and Committed Information Rate - ENNI Arrangement 24 Month Rates						
CIR	USOC	Real Time	Interactive	Business Critical - High	Business Critical - Medium	Non- Critical - High
1,000 Mbps	R6EZX	\$2,808.00	\$2,624.00	\$2,400.00	\$2,272.00	\$2,112.00
2,000 Mbps	R61BX	\$4,840.00	\$4,528.00	\$4,376.00	\$4,224.00	\$3,936.00
2,500 Mbps	R61CX	\$5,808.00	\$5,424.00	\$5,244.00	\$5,064.00	\$4,720.00
4,000 Mbps	R61FX	\$6,856.00	\$6,408.00	\$6,196.00	\$5,984.00	\$5,576.00
5,000 Mbps	R61HX	\$8,064.00	\$7,536.00	\$7,288.00	\$7,040.00	\$6,560.00
7,500 Mbps	R61NX	\$10,592.00	\$9,896.00	\$9,568.00	\$9,240.00	\$8,612.00
9,500 Mbps	R61RX	\$12,608.00	\$11,776.00	\$11,388.00	\$11,000.00	\$10,252.00
10,000 Mbps	R61SX	\$13,104.00	\$12,248.00	\$11,844.00	\$11,440.00	\$10,660.00

P-4.2.15 Class of Service and Committed Information Rate - ENNI Arrangement -
 36, 48, and 60 Month Rates

Class of Service and Committed Information Rate - ENNI Arrangement 36, 48, and 60 Month Rates						
CIR	USOC	Real Time	Interactive	Business Critical - High	Business Critical - Medium	Non- Critical - High
1,000 Mbps	R6EZX	\$1,914.00	\$1,785.00	\$2,300.00	\$1,545.00	\$1,470.00
2,000 Mbps	R61BX	\$3,300.00	\$3,084.00	\$2,982.00	\$2,880.00	\$2,736.00
2,500 Mbps	R61CX	\$3,960.00	\$3,696.00	\$3,573.00	\$3,450.00	\$3,282.00
4,000 Mbps	R61FX	\$4,674.00	\$4,368.00	\$4,224.00	\$4,080.00	\$3,876.00
5,000 Mbps	R61HX	\$5,496.00	\$5,136.00	\$4,968.00	\$4,800.00	\$4,560.00
7,500 Mbps	R61NX	\$7,218.00	\$6,744.00	\$6,522.00	\$6,300.00	\$5,988.00
9,500 Mbps	R61RX	\$8,592.00	\$8,028.00	\$7,764.00	\$7,500.00	\$7,128.00
10,000 Mbps	R61SX	\$8,934.00	\$8,346.00	\$8,073.00	\$7,800.00	\$7,410.00

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Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.3 Optional Features

ICO NNI Arrangement (ICO Trunking Arrangements)								
Rate Element	USOC	Nonrecurring Charges*	12 Months	24 Months	36 Months	48 Months	60 Months	Term Extension MTM Rates
Regenerator (per port)								
100 Mbps	EYQHX	\$250.00	\$3,250.00	\$1,630.00	\$1,090.00	\$820.00	\$650.00	\$3,400.00
1 Gbps	EYQJX	\$250.00	\$3,250.00	\$1,630.00	\$1,090.00	\$820.00	\$650.00	\$3,400.00
10 Gbps	EYQKX	\$1,500.00	\$6,000.00	\$4,800.00	\$4,400.00	\$4,200.00	\$3,900.00	\$7,200.00
Alternate Serving Switch								
Miles								
0 - 10	1HHEK	\$1,200.00	\$970.00	\$485.00	\$325.00	\$245.00	\$195.00	\$1,165.00
11 - 25	1HHEL	\$1,200.00	\$1,940.00	\$970.00	\$650.00	\$490.00	\$390.00	\$2,330.00
26 - 35	1HHEM	\$1,200.00	\$6,500.00	\$3,300.00	\$2,200.00	\$1,700.00	\$1,300.00	\$8,120.00
36 - 50	1HHEN	\$1,200.00	\$7,200.00	\$4,300.00	\$3,000.00	\$2,500.00	\$2,200.00	\$8,700.00
Diverse Access	EY7AD	\$600.00	\$750.00	\$450.00	\$250.00	\$250.00	\$250.00	\$1,000.00
Advanced Access Failover (Per Port)								
1 Gbps	EY7AA	\$1,200.00	\$4,000.00	\$2,500.00	\$2,120.00	\$2,120.00	\$2,120.00	\$4,200.00
10 Gbps	EY7AB	\$1,200.00	\$22,000.00	\$15,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$23,000.00
Direct LEC Additional Mileage								
2 through 20 Mbps								
Miles								
0 - 10	1HHDO	\$1,200.00	\$1,520.00	\$980.00	\$750.00	\$600.00	\$500.00	\$1,980.00
11 - 25	1HHDA	\$1,200.00	\$3,030.00	\$1,950.00	\$1,500.00	\$1,200.00	\$1,000.00	\$3,940.00
26 - 35	1HHDB	\$1,200.00	\$4,550.00	\$2,930.00	\$2,250.00	\$1,800.00	\$1,500.00	\$5,920.00
36 - 50	1HHDC	\$1,200.00	\$7,570.00	\$4,880.00	\$3,750.00	\$3,000.00	\$2,500.00	\$9,850.00
50 through 150 Mbps								
Miles								
0 - 10	1HHDP	\$1,200.00	\$1,520.00	\$980.00	\$750.00	\$600.00	\$500.00	\$1,980.00
11 - 25	1HHDD	\$1,200.00	\$3,030.00	\$1,950.00	\$1,500.00	\$1,200.00	\$1,000.00	\$3,940.00
26 - 35	1HHDE	\$1,200.00	\$4,550.00	\$2,930.00	\$2,250.00	\$1,800.00	\$1,500.00	\$5,920.00
36 - 50	1HHDF	\$1,200.00	\$7,570.00	\$4,880.00	\$3,750.00	\$3,000.00	\$2,500.00	\$9,850.00
250 through 1 Gbps								
Miles								
0 - 10	1HHDQ	\$1,200.00	\$1,520.00	\$980.00	\$750.00	\$600.00	\$500.00	\$1,980.00
11 - 25	1HHDG	\$1,200.00	\$3,030.00	\$1,950.00	\$1,500.00	\$1,200.00	\$1,000.00	\$3,940.00
26 - 35	1HHDH	\$1,200.00	\$4,550.00	\$2,930.00	\$2,250.00	\$1,800.00	\$1,500.00	\$5,920.00
36 - 50	1HHDJ	\$1,200.00	\$7,570.00	\$4,880.00	\$3,750.00	\$3,000.00	\$2,500.00	\$9,850.00

* Nonrecurring Charges are waived for Service ordered under an EPP as specified in Section 4, P-2(1).

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NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.3 Optional Features (Cont'd)

ICO NNI Arrangement (ICO Trunking Arrangements)								
Rate Element	USOC	Nonrecurring Charges*	12 Months	24 Months	36 Months	48 Months	60 Months	Term Extension MTM Rates
2 Mbps	LYTOA	\$300.00	\$350.00	\$290.00	\$250.00	\$235.00	\$220.00	\$420.00
4 Mbps	LYTOB	\$345.00	\$400.00	\$330.00	\$285.00	\$268.00	\$250.00	\$480.00
5 Mbps	LYTOC	\$400.00	\$450.00	\$370.00	\$315.00	\$293.00	\$270.00	\$540.00
8 Mbps	LYTOD	\$460.00	\$510.00	\$420.00	\$360.00	\$335.00	\$310.00	\$620.00
10 Mbps	LYTOE	\$525.00	\$590.00	\$490.00	\$420.00	\$390.00	\$360.00	\$710.00
20 Mbps	LYTOF	\$600.00	\$700.00	\$580.00	\$504.00	\$467.00	\$430.00	\$840.00
50 Mbps	LYTOG	\$700.00	\$880.00	\$730.00	\$630.00	\$585.00	\$540.00	\$1,060.00
100 Mbps	LYTOH	\$800.00	\$1,170.00	\$970.00	\$840.00	\$780.00	\$720.00	\$1,410.00
150 Mbps	LYTOJ	\$925.00	\$1,740.00	\$1,450.00	\$1,260.00	\$1,170.00	\$1,080.00	\$2,090.00
200 Mbps	LYTOO	\$1,200.00	\$2,000.00	\$1,660.00	\$1,440.00	\$1,335.00	\$1,230.00	\$2,400.00
250 Mbps	LYTOK	\$1,200.00	\$2,250.00	\$1,870.00	\$1,620.00	\$1,500.00	\$1,380.00	\$2,700.00
300 Mbps	LYTOP	\$1,200.00	\$2,840.00	\$2,360.00	\$2,048.00	\$1,896.00	\$1,744.00	\$3,410.00
400 Mbps	LYTOQ	\$1,200.00	\$4,320.00	\$3,595.00	\$3,124.00	\$2,891.00	\$2,657.00	\$5,190.00
500 Mbps	LYTOL	\$1,200.00	\$4,840.00	\$4,030.00	\$3,500.00	\$3,240.00	\$2,980.00	\$5,810.00
600 Mbps	LYTOM	\$1,200.00	\$5,800.00	\$4,830.00	\$4,200.00	\$3,885.00	\$3,570.00	\$6,960.00
700 Mbps	LYTOR	\$1,200.00	\$5,840.00	\$5,000.00	\$4,420.00	\$4,110.00	\$3,800.00	\$7,010.00
800 Mbps	LYTOS	\$1,200.00	\$6,000.00	\$5,140.00	\$4,540.00	\$4,220.00	\$3,900.00	\$7,200.00
900 Mbps	LYTOT	\$1,200.00	\$6,160.00	\$5,270.00	\$4,660.00	\$4,330.00	\$4,000.00	\$7,400.00
1,000 Mbps	LYTON	\$1,200.00	\$6,600.00	\$5,500.00	\$4,830.00	\$4,465.00	\$4,100.00	\$7,920.00

* Nonrecurring Charges are waived for Service ordered under an EPP as specified in Section 4, P-2(1).

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.3 Optional Features (Cont'd)

Rate Element	USOC	Non-Recurring Charge*	12 Months	24 Months	36 Months	48 Months	60 Months	Term Extension MTM Rate
2 through 20 Mbps								
Miles								
0 - 10	JZ49E	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11 - 25	JZXTE	\$0.00	\$260.00	\$200.00	\$170.00	\$170.00	\$170.00	\$290.00
26 - 35	JZXTH	\$0.00	\$420.00	\$320.00	\$270.00	\$270.00	\$270.00	\$470.00
36 - 50	JZXTL	\$0.00	\$630.00	\$480.00	\$410.00	\$410.00	\$410.00	\$700.00
50 through 200 Mbps								
Miles								
0 - 10	JZ49E	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11 - 25	JZ49A	\$0.00	\$580.00	\$440.00	\$375.00	\$375.00	\$375.00	\$640.00
26 - 35	JZ49C	\$0.00	\$1,020.00	\$780.00	\$675.00	\$675.00	\$675.00	\$1,130.00
36 - 50	JZ49D	\$0.00	\$1,660.00	\$1,270.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,830.00
250 through 1,000 Mbps								
Miles								
0 - 10	JZ49E	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11 - 25	JZ49B	\$0.00	\$2,250.00	\$1,730.00	\$1,500.00	\$1,500.00	\$1,500.00	\$2,480.00
26 - 35	JZXTK	\$0.00	\$2,630.00	\$2,020.00	\$1,750.00	\$1,750.00	\$1,750.00	\$2,900.00
36 - 50	JZXTO	\$0.00	\$2,990.00	\$2,300.00	\$2,000.00	\$2,000.00	\$2,000.00	\$3,290.00

Rate Element	USOC	Nonrecurring Charge*	Monthly Recurring Charge
Additional MAC Addresses (per port)	M2CBX	\$70.00	\$5.00
Enhanced Multicast (per port)	EY7AE	\$0.00	\$140.00
Administrative Charge (per order)	ORCMX	\$51.00	NA

* Nonrecurring Charges are waived for Service ordered under an EPP as specified in Section 4, P-2(1).

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.4 Ordering Charges

Ordering Charges - Intrastate			
	States	USOC	Charge
Special Access Order Charge (Administrative Charge)	CA	NRBAO	\$46.00
Design Change Charge, per order	CA	H28	\$21.75
Service Date Change Charge, per order, per occurrence	CA	OMC	\$21.75
Service Date Change Dispatch Charge, per occurrence	CA	VT6DN	\$200.00
Expedite Request Charge	CA	NRFSW	\$2,000.00

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.5 Maintenance of Service, Additional Engineering, Additional Labor and Testing Charges

Maintenance of Service, Additional Engineering, Additional Labor and Testing Charges - Intrastate					
	State	USOC	First Half Hour or Fraction Thereof	USOC	Each Additional Half Hour or Fraction Thereof
Additional Engineering, per engineer					
Basic Time	CA	AEHNF	\$34.43	AEHNS	\$34.43
Overtime	CA	AEHXF	\$48.09	AEHXS	\$48.09
Additional Labor - Installation, per technician					
Overtime	CA	ALHXF	\$26.10	ALHXS	\$26.10
Premium Time	CA	ALHPF	\$34.00	ALHPS	\$33.91
Additional Labor - Standby, per technician					
Basic Time	CA		None	ALTNS	\$18.16
Overtime	CA		None	ALTXS	\$26.10
Premium Time	CA		None	ALTPS	\$34.00
Additional Labor - testing and maintenance with other telephone companies or Other Labor, per technician					
Basic Time	CA	ALKNF	\$18.16	ALKNS	\$18.16
Overtime	CA	ALKXF	\$26.10	ALKXS	\$26.10
Premium Time	CA	ALKPF	\$34.00	ALKPS	\$34.00
Maintenance of Service Charges					
Basic Time	CA	MVV MVV++	\$200.00	MVV MVV++	\$85.00
Overtime	CA	MVV MVV++	\$350.00	MVV MVV++	\$150.00
Premium Time	CA	MVV MVV++	\$400.00	MVV MVV++	\$185.00
Additional Cooperative Acceptance Testing (ACAT), per technician					
Basic Time	CA	SNTNF	\$18.16	SNTNS	\$18.16
Overtime	CA	SNTXF	\$26.10	SNTXS	\$26.10
Premium Time	CA	SNTPF	\$34.00	SNTPS	\$34.00
Nonscheduled Testing (NST), per technician					
Basic Time	CA	SNONF	\$18.16	SNONS	\$18.16
Overtime	CA	SNOXF	\$26.10	SNOXS	\$26.10
Premium Time	CA	SNOPF	\$34.00	SNOPS	\$34.00

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

A21.3 AT&T SWITCHED ETHERNET SERVICESM (Cont'd)

(N)

Pricing (P) (Cont'd)

P-4 Rates and Charges (Cont'd)

P-4.6 Billing Media Charges

Billing Media Charges - Intrastate			
	State	USOC	Charge
Electronic data transmission - per record	CA	WCP4X	\$0.014
CD-ROM - per disk	CA	WCP6X	\$10.00
DVD - per disk	CA	WCP7X	\$10.00

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE

(N)

21.4.1 BASIC CHANNEL DESCRIPTION

A High Capacity channel is a channel for the transmission of nominal 1.544 Mbps or 44.736 Mbps isochronous serial data. 9-1-1 High Capacity channels are provided between customer designated premises.

High Capacity service offerings are only available where facilities and operating conditions permit. Where facilities are not available, Special Construction charges may apply as shown in 21.4.6.

The Service provided in this tariff can be purchased only by the following entities (as defined in this tariff) for the sole purpose of transporting 9-1-1 calls within the State of California:

- **Originating Service Providers (OSPs)** to transport their own end-user 9-1-1 traffic to a NG 9-1-1 Service Provider;
- **NG 9-1-1 Service Providers** to transport 9-1-1 traffic received from OSPs to Public Safety Answering Points (PSAP) using a NG 9-1-1 call routing platform; or
- **9-1-1 Authorities** to transport 9-1-1 calls between and among PSAPs using a NG 9-1-1 call routing platform.

Applicable to 9-1-1 High Capacity Service furnished by Pacific Bell over facilities wholly within the State of California. While the tariff sheets act as a contract for 9-1-1 High Capacity Service, the Customer and/or the Company may nonetheless desire to execute a written agreement for the provision of such service. This tariff does not prohibit Customer and Company from executing such agreements.

Ordering Options as outlined in 21.4.7 following apply to 9-1-1 High Capacity Service.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.1 BASIC CHANNEL DESCRIPTION (Cont'd)

There are three basic rate categories which apply to 9-1-1 High Capacity Service:

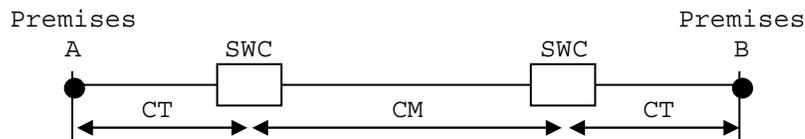
- Channel Terminations
- Channel Mileage
- Optional Features and Functions

Service Configuration - Two-Point Service

The following diagram depicts a two-point 9-1-1 High Capacity Service connecting two customer designated premises located 15 miles apart.

Applicable rate elements are:

- Channel Terminations (CT) (2 applicable)
- Channel Mileage (CM) (mileage band Over 0 miles)



(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.1 BASIC CHANNEL DESCRIPTION (Cont'd)

(A) Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises. 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 Service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature. One Channel Termination charge applies per customer designated premises at which the channel is terminated. Thus, two Channel Termination charges are applicable for each DS1 or other digital transport facility connected to Primary Rate ISDN (PRI) service.

For DS1 High Capacity Synchronous Timing Service connecting a customer designated premises to a wire center Building Integrated Timing Supply (BITS) timing clock will be charged only one Channel Termination. There is no charge of the Channel Termination at the BITS timing clock.

(B) Channel Mileage

The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises. Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile. The flat rate Channel Mileage charge is charged on a per segment basis. Refer to *Mileage Measurement* provisions found below for rate regulations relating to mileage measurement.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.1 BASIC CHANNEL DESCRIPTION (Cont'd)

(B) Channel Mileage (Cont'd)

Mileage Measurement

The mileage to be used to determine the monthly rate for the Channel Mileage is calculated on the airline distance between the locations involved (i.e., the serving wire centers associated with two customer designated premises). The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

- Two-point Service

Mileage is shown in paragraph 21.4.4 in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in The National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4, Sections 11 and 16. For Information on how to obtain copies of the NECA Tariff see Section 14 following, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE

(N)

21.4.1 BASIC CHANNEL DESCRIPTION (Cont'd)

(A) Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions which may be added to a NG 9-1-1 Transport Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance which characteristics may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Conditioning

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE

(N)

21.4.2 OPTIONAL ARRANGEMENTS

Special Facilities Routing

A customer may request that the facilities used to provide NG 9-1-1 Transport Service be specially routed.

The NG 9-1-1 Transport Service provided under this tariff is provided over such routes and facilities as the Company may elect. Special Facilities Routing is involved, when, in order to comply with requirements specified by the customer, the Company provides NG 9-1-1 Transport Service in a manner which includes one or more of the following conditions and at the rates specified:

Diversity

Two or more services must be provided over not more than two different physical routes.

Avoidance

A service must be provided on a route which avoids specified geographical locations.

Rates and charges will be developed on an individual case basis and billed using the following USOCs:

<u>Special Facilities Routing Type</u>	<u>USOC</u>
Diversity	SYD++
Avoidance	SYA++
Diversity and Avoidance Combined	SYB++

In order to avoid the compromise of special routing information, the Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.2 OPTIONAL ARRANGEMENTS (Cont'd)

Acceptance Testing

At no additional charge, the Company will, at the customer's request, cooperatively test at the time of installation, the parameters applicable to the service as specified in the order for service.

All tests results will be made available to the customer upon request. Acceptance testing will be performed at the Company's local loop demarcation point. The Company may perform additional testing on the customer's side of the local loop demarcation point at the customer's request and expense.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE

(N)

21.4.3 TERM PAYMENT PLANS (TPP)

(A) Minimum Period

The minimum period for DS1 1.544 Mbps Service is one month.
The minimum period for DS3 44.736 Mbps Service is one year.

(B) Term Payment Plan Periods

DS1 1.544 Mbps Service is available on a month-to-month basis. DS1 1.544 Mbps Service is also available under a Term Payment Plan whereby customers must select either a 1 year, 2 years, or 3 years term period. After the selected Term Payment Plan is satisfied, the monthly rate will apply unless a new TPP is selected.

DS3 44.736 Mbps Service is only available under a Term Payment Plan whereby customers must select either a 1-year or 3-year term period. After the selected Term Payment Plan is satisfied, the Monthly Extension rate will apply unless a new TPP is selected.

(C) Renewals

At the end of a TPP term, the customer may elect a new TPP term with the rates in effect at that time. If the customer either elects not to renew the TPP or does not notify the Company of their intent to establish a new TPP, the service will automatically be billed under the tariffed month-to-month (or Monthly Extension) rates in effect at the time the TPP expires.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.3 TERM PAYMENT PLANS (TPP) (Cont'd)

(D) Upgrades

During a customer's TPP term, conversion may be made to a new TPP term of the same or different length or to a higher speed service, if the expiration date for the new service or TPP term is beyond the end of the original TPP term. The new TPP term becomes effective upon execution. Existing customer may change from a month-to-month arrangement to a TPP. No credit for months under the previous TPP may be transferred to the new TPP. The customer incurs no liability for the remaining months on the original TPP, since the change is not considered a termination of service. Nonrecurring charges as appropriate will apply if a customer converts to a higher speed service. The rates applicable for the new term are those currently in effect for new customers.

(E) Moves

During a TPP term, a customer may move one Channel Termination (Local Distribution Channel) of a DS1 service to another location in the same LATA and keep the TPP in force, provided no lapse in service occurs. Moves to a different serving office however may result in a change in the monthly charges. Nonrecurring charges as appropriate are applicable. The nonrecurring charge that is currently in effect for month-to-month service offering will apply.

If the customer moves both ends of the service concurrently the customer will be liable for Termination Liability charges. Rules and regulations for Moves in paragraph 21.4.7.4.7 are applicable.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.3 TERM PAYMENT PLANS (TPP) (Cont'd)

(F) NRC Waiver/Term Offering for High Capacity Service (1.544 Mbps)

The Company will waive the nonrecurring charge for a 9-1-1 High Capacity Service (1.544 Mbps) channel termination in areas where the Company has existing and available fiber facilities between the customer's serving wire center and the customer's premises location. In order to determine whether suitable facilities are available, a service inquiry is initiated through a Company business office.

The following conditions must be met:

- (1) The 1.544 Mbps channel termination will be installed and nonrecurring charges waived only at the customer premises where the High Capacity service terminates and facilities permit. All other charges will incur the applicable rates and charges as stated in the tariff.
- (2) The customer is required to retain the service for a minimum period of two years (24 months) from the installation date.
- (3) The customer may make changes, except a disconnection, to the service during the two-year minimum period at the applicable tariffed rates and charges.
- (4) If at any time during the two-year (24 months) minimum period following installation, the service is disconnected as a result of a customer request or disconnection of the customer's service in accordance with the Company's applicable tariffs, the customer will be charged a portion of the nonrecurring charges waived at the time of installation. Each month the customer retains the service, the termination liability will be reduced by 1/24th of the nonrecurring rate in effect at the time of installation.
- (5) A change from a channel termination as described in this Schedule to a channel termination as described in the Company's Tariff F.C.C. No. 1 will be considered a service disconnection, and will be subject to the termination liability as described above.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.3 TERM PAYMENT PLANS (TPP) (Cont'd)

(G) Termination Liability Charges for Payment Plans

For Term Payment Plans discontinued prior to the end of their Payment Plan period, the Termination Liability Charges will apply as follows:

(1) DS1 1.544 Mbps Service Term Payment Plans:

- Customers requesting the termination of a TPP prior to the expiration date, excluding TPP terminated as a result of a renegotiation, will be charged a termination charge as indicated below. These charges shall become due and owing as of the effective date of the termination and are payable within 30 days of the bill date, subject to interest penalty on the unpaid balance.
- The customer's termination charge shall be equal to all waived and/or unpaid nonrecurring charges at currently effective month to month rates, plus 50% of the remaining months multiplied by the monthly recurring charges.

(2) DS3 44.736 Mbps Service Term Payment Plans:

- For Payment Plans discontinued prior to the end of the first year of the Payment Plan period, the customer will be liable for 75% of the total monthly charges for the unexpired portion of the first year of service. In addition, the customer will be liable for 70% of the second year and 60% of the third year.
- For Payment Plans discontinued beyond the first year of the Payment Plan period, the customer will be liable for 70% of the total monthly charges for next 12 month period of the Payment Plan, 60% for the 13th through 24 months of the Payment Plan period, 50% for the 25th through 36 months, as applicable, for the remaining portion of the Payment Plan period.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd) (N)

21.4.4 RATES AND CHARGES

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges	
			1st	Add'l
Channel Termination				
- Per point of termination at an End User location				
<u>DS1 1.544 Mbps Service</u>				
Month to Month	TMECS/TMECS	\$165.94	\$600.69	NA*
1 Year Term Plan	TMECS/T6XG1	160.00	600.69	NA*
2 Year Term Plan	TMECS/T6XG2	155.00	None	NA*
3 Year Term Plan	TMECS/T6XG3	140.00	None	NA*
<u>DS3 44.736 Mbps Service</u>				
1 Year Term Plan	Z3MAC/Z31AC	2,560.17	2,370.53	NA*
3 Year Term Plan	Z3MAC/Z33AC	2,086.06	NA	NA
Monthly Extension Rate	Z3MAC/TVJ8X	3,500.00	NA	NA

* For DS1 1.544 Mbps Service or DS3 44.736 Mbps Service, the charge for each point of termination is the charge shown for the 1st charge. (N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.4 RATES AND CHARGES (Cont'd)

	USOC CABS/CRIS	Monthly Rates	
		Fixed	Per Mile
Channel Mileage			
<u>DS1 1.544 Mbps Service</u>			
Mileage Bands			
0 miles			
Month to Month	1L5XX/1L5XX	\$0.00	\$0.00
1 Year Term Plan	1L5XX/1L5X1	0.00	0.00
2 Year Term Plan	1L5XX/1L5PS	0.00	0.00
3 Year Term Plan	1L5XX/1L5X3	0.00	0.00
Over 0 miles			
Month to Month	1L5XX/1L5XX	\$118.53	\$23.71
1 Year Term Plan	1L5XX/1L5X1	105.00	20.00
2 Year Term Plan	1L5XX/1L5PS	95.00	18.00
3 Year Term Plan	1L5XX/1L5X3	85.00	17.00
<u>DS3 44.736 Mbps Service</u>			
Mileage Bands			
0 miles			
1 Year Term Plan	1L5XX/1L5XX	\$0.00	\$0.00
3 Year Term Plan	1L5X3/1L5XX	0.00	0.00
Monthly Extension Rate	1YA1X/1L5XX	0.00	0.00
Over 0 miles			
1 Year Term Plan	1L5XX/1L5XX	\$789.86	\$62.58
3 Year Term Plan	1L5X3/1L5XX	640.04	41.72
Monthly Extension Rate	1YA1X/1L5XX	1,075.00	85.00

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd) (N)

21.4.4 RATES AND CHARGES (Cont'd)

Optional Features and Functions

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
(a) Synchronous Timing - per port	SYNTM	\$71.12	None
(b) Clear Channel Capability - per Circuit Arranged	CCO	None	\$375.00*

* Nonrecurring Charge applies only to subsequent installation or removal of the Clear Channel Capability feature. Not applicable if Clear Channel provided upon original installation of the DS1 1.544 Mbps Service. (N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS

(A) General

9-1-1 High Capacity Service is interrupted when it becomes unusable to the customer because of a failure of a Company facility component used to furnish service under this tariff or in the event that the protective controls applied by the Company result in the complete loss of service by the customer. An interruption period starts when an inoperative service is reported to the Company and ends when the service is operative. The total credit allowance available to the customer regardless of the number of service interruptions within a billing period will not exceed 100% of the monthly rates of the affected service.

(B) When A Credit Allowance Applies

In case of an interruption to service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

- No credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues. The monthly charges used to determine the credit shall be the total of all the monthly rate element charges associated with the service (i.e., two channel terminations, channel mileage, and optional features and functions).

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)

(C) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

- (1) Interruptions caused by the negligence of the customer.
- (2) Interruptions of a service due to the failure of equipment, systems, or facilities including cable, wire, or jacks provided by the customer, building owner, or other vendors.
- (3) Interruptions of a service during any period in which the Company is not afforded access to the premises where the service is terminated.
- (4) Interruptions of a service when the customer or building owner has released that service to the Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service during the time that was negotiated with the customer prior to the release of that service. Thereafter, a credit allowance as set forth in (B) preceding applies.
- (5) Interruptions of a service which continue because of the failure of the customer or building owner to authorize replacement of any element of special construction, as set forth in paragraph 21.4.6. The period for which no credit allowance is made begins on the seventh day after the customer receives the Company's written notification of the need for such replacement and ends on the day after receipt by the Company of the customer's written authorization for such replacement.
- (6) Periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.
- (7) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.5 CREDIT ALLOWANCE FOR SERVICE INTERRUPTIONS (Cont'd)

(D) Use of an Alternative Service Provided by the Company

Should the customer elect to use an alternative service provided by the Company during the period that a service is interrupted, the customer must pay the tariffed rates and charges for the alternative service used.

(E) Temporary Surrender of a Service

In certain instances, the customer may be requested by the Company to surrender a service for purposes other than maintenance, testing, or activity relating to a service order. If the customer consents, a credit allowance will be granted. The credit allowance will be 1/1440 of the monthly rate for each period of 30 minutes or fraction thereof that the service is surrendered. In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.6 SPECIAL CONSTRUCTION

21.4.6.1 General

- (A) All rates and charges quoted in the schedules of the Company provide for the furnishing of service or channels when suitable facilities are available or where the additional construction of the necessary facilities does not involve unusual costs.
- (B) Where the additional construction of necessary facilities involves unusual costs and the revenue to be derived from the service or channels is not, in the opinion of the Company, sufficient to warrant the Company assuming the unusual costs of providing the necessary construction, the customer may be required to pay all or a portion of such costs, the amount depending upon the circumstances on an individual case basis.*
- (C) When construction is provided by a connecting telephone company, charges made to the customer will be based on the charges of the connecting telephone company.
- (D) Where a customer is so located that it is necessary to use private right-of-way to furnish a service or channels and the Company is unable to obtain the required right-of-way without cost, the customer may be required to pay the entire costs involved in securing and retaining such right-of-way.*
- (E) When attachments are made to poles of other companies, the additional cost to the Company of such attachments is borne by the customer.
- (F) Title to all construction provided wholly or partly at a customer's expense is vested in the Company.
- (G) Construction charges are payable at the time application for service is signed or when the account is rendered, at the option of the Company.
- (H) When circuitous routing or a type of construction not ordinarily required is provided at the customer's request, in cases where facilities would ordinarily be provided without construction charge to the customer, the excess cost of the construction is borne by the customer.*

* Includes Federal Income Tax gross-up amount, as listed in Schedule Cal.P.U.C. No. A2.1.3,D.

Continued (N)

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.6 SPECIAL CONSTRUCTION (Cont'd)

21.4.6.2 Types of Construction Specified by the Customer

(A) Underground

When underground construction is desired by the customer where aerial facilities ordinarily would be provided without a construction charge to the customer, the following regulations apply:*

- (1) Where cable is laid in conduit, the underground conduit is constructed and maintained by or at the expense of the customer. The construction charge made to the customer is based on the cost of the underground cable, including the cost of installing the cable, less the estimated cost to the Company of installing such aerial facilities as would be required for similar use.* The underground conduit shall be constructed in accordance with plans and specifications furnished by the Company.
- (2) The duct or ducts required in the underground conduit by the Company are reserved for its exclusive use.
- (3) When cable is laid in a trench, the construction charge made to the customer is based on the cost of the cable including the cost of installing the cable less the estimated cost to the Company of installing such aerial plant as would be required for similar use.*
- (4) Cable installed in conduit or trench will be maintained and replaced at the expense of the Company. However, repairs to or replacements of cable made necessary by damages caused by the customer, their employees or representatives, as well as water freezing in improperly drained conduits, will be at the customer's expense.

* Includes Federal Income Tax gross-up amount, as listed in Schedule Cal.P.U.C. No. A2.1.3,D.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.6 SPECIAL CONSTRUCTION (Cont'd)

21.4.6.2 Types of Construction Specified by the Customer (Cont'd)

(B) Change from Aerial to Underground*

Where aerial facilities are used to provide service or channels to a customer and subsequently the customer desires that such facilities be placed underground, the change from aerial to underground is made subject to the following conditions:

- (1) The underground conduit or trench is provided in accordance with (A)(1), preceding.
- (2) The customer is charged the cost of dismantling and removing the aerial facilities.
- (3) The customer is charged the cost of the cable including its installation in the conduit or trench.
- (4) The cable is maintained and replaced at the expense of the Company. However, repairs to or replacements of cable made necessary by damages caused by the customer, their employees or representatives, as well as by water freezing in improperly drained conduits, will be at the customer's expense.

21.4.6.3 Additional Charges*

Equipment and arrangements requested by the customer and not otherwise provided for, are furnished wherever possible, if facilities are available and if not detrimental to any of the services furnished by the Company, and additional charges based upon the costs incurred, apply.

21.4.6.4 Federal Income Tax

For Contributions in Aid of Construction that have been made taxable to the Company by the Tax Reform Act of 1986 or any federal act enacted thereafter, the Company will bill an additional fee which has resulted from the taxable income for payments that aid in our cost of construction, other contributions, and the fair market value of property contributions received in aid of construction, and the prior nonrecurring rates which will remain in effect.

* Includes Federal Income Tax gross-up amount, as listed in Schedule Cal.P.U.C. No. A2.1.3,D.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS

This section sets forth the regulations and order-related charges for Orders for NG 9-1-1 Transport Service. These charges are in addition to other applicable charges as set forth in other sections of this tariff.

An NG 9-1-1 Transport Service Order is an order to provide the customer with NG 9-1-1 Transport Service, or to provide changes to the aforementioned services.

21.4.7.1 Ordering Conditions

A customer may order any number of services of the same type, between the same premises on a single Order, except when the requested activity involves more than ten (10) Carrier Identification Codes. An additional Order is required for each additional ten (10) Carrier Identification Codes requiring establishment, removal or changes. All details for services for a particular order must be identical.

The customer shall provide all information necessary for the Company to provide and bill the requested service. In addition to the order information required in paragraph 21.4.7.4, the customer must provide:

- Customer name and premises address(es);
- Billing name and address (when different from customer name and address); and
- Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation, and billing.

The Company will establish a service date when the customer has provided a firm commitment for the service and sufficient information to allow for the processing of the Order. The date on which the service date is established is considered to be the Application Date. The Company will provide a firm order confirmation to the customer and will advise the customer of the Application Date and the Service Date.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.1 Ordering Conditions (Cont'd)

The time required to provision the service (i.e., the interval between the Application Date and the Service Date) is known as the service interval. Such intervals will be established in accordance with service date interval guidelines for those services with established intervals, and will be negotiated for all other services that do not have established intervals. Service interval tables will be provided to the customer, within a reasonable period, upon request.

Schedules of installation intervals will also specify the services and quantities of the services that may be provided within the standard intervals. The Company will provide services in accordance with the standard intervals except when circumstances are beyond its direct control. Service interval tables are further described in the 'Negotiated Interval' table following.

Service Intervals are available only where facilities and/or operating conditions for the NG 9-1-1 Transport Services exist.

NG 9-1-1 Transport Service will be installed during Company business hours. If a customer requests that installation be done outside normally scheduled business hours, and the Company agrees to this request, applicable charges will apply.

Certain Company critical dates are associated with the service interval. These dates provide a means to determine the provisioning costs incurred at any point during the service interval. The critical dates for each NG 9-1-1 Transport Service Order will be provided to the customer on the firm order confirmation. These dates will be used to develop cancellation charges as set forth in 21.4.7.4.2(B)(2)(b). Cancellation charges are calculated by determining the provisioning costs the Company has incurred as of the last critical date completed.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.1 Ordering Conditions (Cont'd)

Negotiated Interval

The Company will negotiate a service date interval with the customer when:

- (A) There is no standard interval for the service, or
- (B) The quantity of NG 9-1-1 Transport Services ordered exceeds the quantities specified in paragraph 21.4.7.4.1(D)(1) following, or
- (C) The customer requests a service date beyond the applicable standard interval service date.

Standard Intervals*

High Capacity DS1 1.544 Mbps	7 Days
High Capacity DS3 44.736 Mbps	7 Days #

The Company will offer a service date based on the type and quantity of NG 9-1-1 Transport Services the customer has requested. The negotiated interval may not exceed by more than six months the standard interval Service date, or, when there is no standard interval, the Company offered service date.

* Days are represented as business days.

Interval only applies where facilities and/or operating conditions permit. Where facilities and/or operating conditions do not permit, the interval is dependent upon the complete installation of new facilities and equipment.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.2 Provision of Other Services

(A) Additional Engineering is not an ordering option but will be applied to an NG 9-1-1 Transport Service Order when the Company determines Additional Engineering is necessary to accommodate a customer request. When Additional Engineering is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10%.

21.4.7.3 Special Construction

Special Construction is not an ordering option, but may be applied to an NG 9-1-1 Transport Service Order to accommodate a customer request. When special construction is required, the customer will be so notified. If the customer agrees to the special construction, a firm order will be established. If the customer does not want the service or facilities after being notified that special construction is required, the order will be withdrawn and no charges will apply.

The regulations, rates, and charges for special construction are set forth in 21.4.6 and are in addition to the regulations, rates, and charges specified in this section.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders

An NG 9-1-1 Transport Service Order is used by the Company to provide services to a customer as follows:

- NG 9-1-1 Transport Service as described herein, and
- Other Services as set forth in paragraph 21.4.7.2.

Where the NG 9-1-1 Transport Service is subject to the surcharge (as set forth in *Special Access Service Surcharge* outlined below) and the customer does not use the NG 9-1-1 Transport Service as described and desires an exemption from the surcharge, it shall furnish with the order the certification as set forth below.

Rates and Charges

NG 9-1-1 Transport Service		Charge per
<u>Order Charges (NRBAO)</u>	<u>USOC</u>	<u>NG 9-1-1 Transport Service Order</u>

The following charge applies to the NG 9-1-1 Transport Service

NG 9-1-1 Transport Service		
Order Charge*	NRBAO	\$46.00

Special Access Service Surcharge

- All intraLATA Special Access circuits, i.e. circuits which are wholly within a LATA and do not have interLATA access capability, are exempt from the Special Access Service Surcharge. In order to receive this exemption, all customers ordering intraLATA Special Access Service on or after January 1, 1995 must notify the Company according to the self-reporting procedure described in (C) preceding. All IntraLATA service provisioned prior to January 1, 1995 will automatically receive this exemption. All customers must notify the Company if changes are made to circuits which make them no longer entitled to this exemption according to the self-reporting procedure.
- This exemption is necessitated by Decision 94-09-065 dated September 15, 1994, which authorized the consolidation of most of Schedule Cal.P.U.C. No. B. Private Line Services with Special Access Service. The surcharge does not apply to intraLATA circuits because the surcharge is intended to compensate the Company for use of the local exchange network by Special Access Services that are classified as intrastate interLATA.

* NRBAO is not applicable to renewals of Term Payment Plans where there is no change in the physical serving arrangement. (N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.1 NG 9-1-1 Transport Service Order Modifications

The customer may request a modification of its NG 9-1-1 Transport Service Order prior to the service date. The Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Company will notify the customer. If the customer still desires the Order modification, the Company will schedule a new service date. All charges for NG 9-1-1 Transport Service Order modifications will apply on a per occurrence basis.

Any increase in the number of NG 9-1-1 Transport Service channels will be treated as a new NG 9-1-1 Transport Service Order (for the increased amount only).

If order modifications are necessary to satisfy the transmission performance for a NG 9-1-1 Transport Service ordered by a customer, these changes will be made without order modification charges being incurred by the customer.

The regulation for intraLATA Private Line Services order modifications is contained in Schedule Cal.P.U.C. No. A2.1.3, B.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.1 NG 9-1-1 Transport Service Order Modifications (Cont'd)

(A) Service Date Change Charge

NG 9-1-1 Transport Service Order service dates for the installation of new services or rearrangements of existing services may be changed, but the new service date may not exceed the original service date by more than 30 calendar days. When, for any reason, the customer indicates that service cannot be accepted for a period not to exceed 30 calendar days, and the Company accordingly delays the start of service, a Service Date Change Charge will apply. If the customer requested service date is more than 30 calendar days after the original service date, the order will be cancelled by the Company and reissued with the appropriate cancellation charges applied.

If the service date is changed to an earlier date, and the Company determines additional labor or extraordinary costs are necessary to meet the earlier service date requested by the customer, the customer will be notified by the Company that Expedited Order Charges as set forth in (D) following apply. Such charges will apply in addition to the Service Date Change Charge.

If the Company determines it can accommodate the customer's request without delaying service dates for orders of other customers, a new service date may be established that is prior to the original standard or negotiated interval service date.

A service date change charge will apply on a per order, per occurrence basis for each service date changed. The applicable charge is:

	<u>USOC</u>	<u>Charge</u>
Service Date Change Charge, per order	OMC/OMCSD	\$21.75

(B) Partial Cancellation Charge

Any decrease in the number of NG 9-1-1 Transport Service channels will be treated as a partial cancellation, and the charges as set forth in 21.4.7.4.2(B) will apply.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.1 NG 9-1-1 Transport Service Order Modifications (Cont'd)

(C) Design Change Charges

The customer may request a design change to the service ordered. A design change is any change to an NG 9-1-1 Transport Service Order which requires engineering review. An engineering review is a review, by Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of channel interface.

Design changes do not include a change of customer premises when the end office switch(es) changes or NG 9-1-1 Transport Service channel type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Company will review the requested change, notify the customer whether the change can be accommodated and specify if a new service 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, per occurrence basis, for each order requiring a design change. The applicable charge is:

	<u>USOC</u>	<u>Charge</u>
Design Change Charge, per order	H28	\$21.75

If a change of service date is required, the Service Date Change Charge as set forth in (A) preceding will also apply.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd) (N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.1 NG 9-1-1 Transport Service Order Modifications (Cont'd)

(D) Expedited Order Charge

(1) High Capacity 1.544 Mbps

If a customer desires that service be provided on a date earlier than the standard interval, the customer may request that service be provided in an expedited service interval. To qualify for an expedited interval the customer must provide end user premises access when needed until 11:00 PM (Pacific time), Monday through Friday.

If, upon reviewing the availability of equipment, facilities and scheduled workload the Company agrees to provide service on an expedited basis and the customer accepts this proposal, an Expedite Order Charge will apply.

The maximum number of circuits that may be expedited at the same location is limited to four (4) High Capacity 1.544 Mbps circuits at the same location. When the number of circuits exceeds the maximum allowable threshold, expediting the order will not be an option and the standard service interval will be negotiated.

If the Company determines that service can be provided on an expedited basis, the following charges will apply based upon expedited service interval. The Expedited Order Charge applies on a per order basis, regardless of the number of circuits (up to the maximum allowable amount).

High Capacity 1.544 Mbps Service

<u>USOC</u>	<u>Expedited Service Intervals</u>	<u>Expedite Order Charge</u>	
EODXV	6 days	\$525.00	
EODXT	5 days	\$575.00	
EODXR	4 days	\$625.00	
EODXP	3 days	\$675.00	(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.1 NG 9-1-1 Transport Service Order Modifications (Cont'd)

(D) Expedited Order Charge (Cont'd)

(1) High Capacity 1.544 Mbps (Cont'd)

- (a) In addition to Expedited Order Charges, if the Company determines that additional cost will be incurred to provide the service, Special Construction Charges as set forth in 21.4.6 may apply.
- (b) When a request to expedite an order occurs subsequent to the issuance of the NG 9-1-1 Transport Service Order, a Service Date Change Charge as set forth in 21.4.7.4.1(A) is applicable in addition to the Expedite Order Charge.
- (c) If the Company is subsequently unable to meet an agreed upon Expedite Service date, no Expedite Order Charge will apply unless the missed service date was caused by the customer.

21.4.7.4.2 Cancellation of NG 9-1-1 Transport Service Order

(A) A customer may cancel an NG 9-1-1 Transport Service Order for the installation of service on any date prior to the service date. The cancellation date is the date the Company receives written or verbal notice from the customer or customer's end user that the order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days. If a customer or customer's end user is unable to accept NG 9-1-1 Transport Service within 30 calendar days of the original service date, the customer has the choice of the following options:

- The NG 9-1-1 Transport Service Order shall be cancelled, and charges set forth in (B) following will apply, or
- Billing for the service will commence.

In such instances, the cancellation date or the billing date, depending on which option is selected by the customer, shall be the 31st day beyond the original service date of the NG 9-1-1 Transport Service Order.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.2 Cancellation of NG 9-1-1 Transport Service Order (Cont'd)

(B) When a customer cancels an NG 9-1-1 Transport Service Order for the installation of service, a Cancellation Charge will apply as follows:

(1) If the customer cancels an NG 9-1-1 Transport Service Order prior to the start of installation of facilities, no charges shall apply.

(2) If installation of facilities has been started prior to the cancellation, the charges specified in (a) or (b) following, whichever is lower, shall apply.

(a) The charge for the minimum period of NG 9-1-1 Transport Service ordered by the customer (Recurring and Nonrecurring charges).

(b) A charge equal to the costs incurred plus installation, less estimated net salvage. Such charge will include the nonrecoverable cost of equipment and material ordered, provided or used, plus the nonrecoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs as set forth in paragraph 21.4.7.1.

(3) In no event will cancellation charges be applied until the customer is notified of such charges. Cancellation charges as set forth in (2)(b) preceding are determined from the last critical date completed. Such dates are provided to the customer on the firm order confirmation at the time the order is placed.

(C) When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.

(D) If the Company misses a service date by more than 30 days due to circumstances over which it has direct control (excluding, e.g., acts of God, government requirements, work stoppages and civil commotions), the customer may cancel the NG 9-1-1 Transport Service Order without incurring cancellation charges.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.3 Channel Specifications for NG 9-1-1 Transport Service Orders

- (A) Since a Hubbing arrangement is not available with NG 9-1-1 Transport Service, the option to request a specific transmission path or channel is not provided.

21.4.7.4.4 Minimum Period

- (A) Except as set forth in (B) following the minimum period for which DS1 1.544 Mbps Service is provided and for which charges are applicable is one month.
- (B) The minimum period for DS3 44.736 Mbps is one year.
- (C) Service Rearrangements as set forth in paragraph 21.4.7.4.6 for NG 9-1-1 Transport Services, respectively, may be made without a change in minimum period requirements.
- (D) Changes other than those identified in paragraph 21.4.7.4.7 will be treated as a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges will apply for the new service. A new minimum period will be established for the new service. The customer will also remain responsible for all outstanding minimum period obligations associated with the disconnected service.

The changes listed below are those which will be treated as a discontinuance and installation of service for which a new minimum period will be established.

- (1) A move to a different building as set forth in 21.4.7.4.7; or
- (2) A change in the type of NG 9-1-1 Transport Service Channel Termination.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.4 Minimum Period (Cont'd)

The Minimum Period Charge applies when the customer requests disconnect of NG 9-1-1 Transport Service prior to the expiration of the Minimum Period.

The Minimum Period Charge for monthly billed services will be determined as follows:

- (A) For those NG 9-1-1 Transport Services to which usage sensitive rate elements apply, the Minimum Period Charge will be based on actual usage.
- (B) For those NG 9-1-1 Transport Services which are billed a flat monthly rate, the Minimum Period Charge will be the full monthly rate.
- (C) The Minimum Period Charge will include all nonrecurring charges associated with the establishment of the NG 9-1-1 Transport Service.

21.4.7.4.5 Shared Use Facilities

Shared Use NG 9-1-1 Transport Services provided over the same digital high capacity facilities is allowed. While shared use is allowed, individual services utilizing these facilities must be ordered as NG 9-1-1 Transport Service depending on the intended use. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.6 Service Rearrangements

Service rearrangements are changes to existing installed services which do not result in either a change in the minimum period requirements as set forth in 21.4.7.4.4 or a change in the physical location of the point of termination at a customer's designated premises or a change in the physical location of the customer premises. Customer initiated changes in the physical location of the point of termination or changes which require a change in the physical serving arrangement are treated as moves and are described and charged for as set forth in 21.4.7.4.7.

These are 2 types of Service Rearrangements: Administrative Changes and Service Changes.

(A) Administrative Changes

Administrative changes excluding change of customer of record, will be made without charge to the customer. Nonchargeable administrative changes require the continued provision and billing of the NG 9-1-1 Transport Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the NG 9-1-1 Transport Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name - e.g., AT&T-Long Lines to AT&T-Communications);
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment;
- Change in billing data where billing entity remains the same (name, address, or contact name or telephone number);
- Change of customer circuit identification;
- Change of billing account number;
- Change of customer test line number;
- Change of customer's end user contact name or telephone number;
- Change of jurisdiction; and
- Change of Agency Authorization.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.6 Service Rearrangements (Cont'd)

(A) Administrative Changes (Cont'd)

For change of customer of record (i.e., NG 9-1-1 Transport Service) is provided to and billed to a different entity) where no physical work is required, (i.e., physical serving arrangement remains the same) the following charge will apply:

	<u>USOC</u>	<u>Nonrecurring Charge</u>
- per circuit	ANC	NO

For change of customer of record requiring physical work, charges set forth in 21.4.7.4.4 will apply.

(B) Service Changes

Service Changes listed below are physical changes to existing service. Charges apply as set forth below.

- If the change involves the addition of or a modification to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the service rearrangement involves NG 9-1-1 Transport Service.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.7 Moves

A move involves a change in the physical location of one of the following:

- The Point of Termination at the customer's designated premises;
- The customer's premises; or
- The EIS Point of Termination.

The charges for the move are dependent on whether the move is to a new location within the same premises or to a different premises.

(A) Moves Within the Same Premises

When the move is to a new location within the same premises, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the NG 9-1-1 Transport Service termination affected. There will be no change in the minimum period requirements.

(B) Moves To a Different Premises

Moves to a different premises will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.4 NG 9-1-1 Transport Service Orders (Cont'd)

21.4.7.4.8 NG 9-1-1 Transport Service Orders for Services Provided by More Than One Company

NG 9-1-1 Transport Service provided by more than one Company are Services where one end of the NG 9-1-1 Transport Service Channel Mileage element is in the operating territory of one Company and the other end of the element is in the operating territory of a different company.

The ordering procedure for this service is dependent upon the billing arrangement to be used by the entities involved in providing the NG 9-1-1 Transport Service.

(A) Ordering Procedures - Single Bill

The Company that accepts the order from the customer and renders the bill will be determined as follows:

NG 9-1-1 Transport Service - Either Company may accept the order.

In all cases, the other Company(ies) involved shall also receive a copy of the order from the customer.

(B) Ordering Procedures - Multiple Bill

Each Company will accept an order for service from the customer for that portion of service provided within its territory.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A21. NG 9-1-1 TRANSPORT SERVICES

21.4 9-1-1 HIGH CAPACITY SERVICE (Cont'd)

(N)

21.4.7 ORDERING OPTIONS (Cont'd)

21.4.7.5 Available Inventory

Available inventory is limited and does not include facilities previously ordered. The Company will make every reasonable effort to maintain sufficient available inventory to provide NG 9-1-1 Transport Service in accordance with customers' requested service date intervals. To the extent that service can be provided, NG 9-1-1 Transport Service Orders will be satisfied from available inventory.

21.4.7.6 Certain NG 9-1-1 Transport Services may be offered to a customer through a Sales Agency Program as set forth in Schedule Cal.P.U.C. Nos. A2.1.1, Rule 1 - Definition of Terms. See also, A2.3 - Form, Network Services Marketing Agreement, Form No. UE 0028. The services available under a Sales Agency Program are:

- NG 9-1-1 High Capacity Service

(N)

Continued

NETWORK AND EXCHANGE SERVICES

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(C) High Capacity Service

(1) Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps* or 1.544, 3.152, 6.312, 44.736 (DS3, DS3x3 and DS3x12), or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the network channel interface selected by the customer. DS3, DS3x3 and DS3x12 will be provided with or without Utility provided terminal equipment on the customer's premises. When a customer desires to furnish their own terminal equipment, the Utility will work cooperatively with the customer to provide a physical interface satisfactory to both parties. High Capacity channels are provided between customer designated premises through serving wire centers or between a customer designated premises and a Utility Hub or between a customer designated premises or Utility Hub, and an EIS POT. DS3x12 is only provided between a customer designated premises and the serving wire center serving that premises.

High Capacity service offerings are only available where facilities and operating conditions permit. Where facilities and/or operating conditions do not permit, Special Construction as set forth in Section 15 following shall apply.

Customer may not use Service for the purpose of transporting "NG 9-1-1" calls in the State of California. See AT&T California's Network and Exchange Services Schedule Cal.P.U.C. No. A, Section A21.

(N)
|
(N)

* Available only as a channel of a 1.544 Mbps facility between two Utility Digital Data Hub or as a cross connect of two channels of two 1.544 Mbps facilities at a Digital Data Hub(s); or as a through-connect of two channels of two 1.544 Mbps facilities at an Advanced Digital Network Hub. The customer must provide system and channel assignment data.

Continued