AT&T WAVELENGTH METRO℠

AND

AT&T SWITCHED ETHERNET℠ (D)

SERVICE GUIDE (T)

1.1 General

AT&T Wavelength Metro is a fiber based, point-to-point, Ethernet service that allows Customers to transport data signals between 2 locations. AWM can be used to transport data as an Ethernet signal or embedded within an Optical Transport Network (OTN) signal. (T) (T)

AWM is available at the following speed and format options: (T)

Speed	Ethernet Formats	Optical Transport Unit (OTU) Formats
1Gbps	1GE – Gigabit Ethernet	Not available
2.5Gbps	Not available	OTU1
10Gbps	10GE LAN-PHY	OTU2e
	10GE WAN-PHY	OTU2
40Gbps	40GE	OTU3
100Gbps	100GE	OTU4
400Gbps	400GE	Not available

1.2 Service Availability

AWM is available from this Service Guide in the following jurisdictions across the following AT&T ILEC states: (T)

Jurisdictional Offerings												
Jurisdiction	**AL**	**AR**	**CA**	**CA OOT(1)**	**FL**	**GA**	**IL**	**IN**	**KS**	**KY**	**LA**	**MI**
Interstate	√	√	√		√	√	√	√	√	√	√	√
State Access	√	√			√	√	√	√	√	√	√	√
State Exchange	√	√		√	√	√	√	√	√	√	√	√
Jurisdiction	**MO**	**MS**	**NC**	**NV**	**OH**	**OK**	**SC**	**TN**	**TX**	**TX OOT**	**WI**	
Interstate	√	√	√	√	√	√	√	√	√		√	
State Access	√	√	√		√	√		√	√		√	
State Exchange	√	√	√	√	√	√	√	√	√	√	√	

AWM provides transport service where suitable equipment and facilities are available in select geographic areas. Where facilities are not available, facilities may be constructed subject to terms as set forth in Part 1, Section 7. Special Construction charges may apply. (T)

AT&T offers AWM on a private carriage basis and reserves the right to make individualized decisions regarding the provision of AWM to individual customers. AT&T may negotiate the specific prices and terms for AWM for each individual customer. (T) (T) (T)

Commingling, as defined in Part 1, Section 2, of AWM is prohibited. (T)

(1) OOT – Out of Territory

1.1 Overview

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

ASE supports point-to-point, point-to-multipoint, or multipoint-to-multipoint configurations. Point-to-point service provides a connection between 2 ports. Point-to-multipoint service provides multiple point-to-point connections to multiple ports in AT&T's ASE network. Multipoint-to-multipoint service provides a connection between 3 or more designated ports on AT&T's Service network. AT&T will determine the interface specifications for ASE in its sole discretion.

ASE is provided by the applicable AT&T Participating Carrier(s) that are described in Participating Carriers Table in Part 1, Section 1.

AT&T offers Service on a private carriage basis and reserves the right to make individualized decisions regarding the provision of ASE to individual Customers. AT&T may negotiate the specific prices and terms for ASE for each individual Customer.

Customer may not use ASE 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. 2, Section A21.

Commingling, as defined in Part 1, Section 2, of ASE is prohibited.

1.2 Service Availability

ASE 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 the Special Construction terms and conditions set forth in Part 1, Section 7. Special Construction charges may apply.

1.3 Provisioning and Service Arrangements

AT&T will provision ASE using the service components described below.

ASE is available in the following serving arrangements and types of Ports, subject to the terms and conditions set forth in those sections:

- Basic Arrangement and Basic Ports described in paragraph 1.4;
- Per Packet Class of Service (PPCos) Arrangement and PPCoS Ports described in paragraph 1.5;
- Broadband Arrangement and Broadband Ports described in paragraph 1.6; and
- External Network-to-Network Interface (ENNI) Arrangement and ENNI Ports described in paragraph 1.7.

Unless specifically stated otherwise, all references to Ports or Ports in paragraphs 1.4, 1.5, 1.6, or 1.7 refer to only the type of Port addressed by that Section (e.g., Port in paragraph 1.4 refers to only Basic Ports, etc.). Unless specifically stated otherwise, all references to Ports or Ports in other Sections of this Service Guide refer to any of the Port types – Basic Ports, PPCoS Ports, Broadband Ports, and ENNI Ports.

The amount of Port capacity available for Customer's use is subject to overhead, including information that AT&T or other service providers require to deliver or receive Ethernet frames (packets) to or from the Port Customer purchased.

1.4 Basic Arrangement

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

1.4.1 Basic Customer Port Connection (Basic Port)

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

TABLE OF CONTENTS

Part / Section **Page**

1.4.2 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 Port. CIR is available in increments ranging from 2 Mbps to 100 Gbps.

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

Supported CIR by Port Speed	
Port	**CIR Bandwidth Supported**
100 Mbps	2 Mbps – 100 Mbps
1 Gbps	2 Mbps – 1,000 Mbps
10 Gbps	1,000 Mbps – 10,000 Mbps
100 Gbps	10,000 Mbps – 100,000 Mbps

Customer must select a single CIR for each Basic Port. The CIR selected cannot exceed the Port capacity. CIR is offered with multiple choices of CoS. CoS establishes the performance characteristics of the network that are suitable for certain applications. Each 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. ASE parameters associated with Real-Time CoS are Latency, Jitter, Packet Delivery Rate (PDR), and Network Availability.

- Interactive
  Supports high-priority business data applications or jitter-sensitive applications such as voice and video. ASE parameters associated with Interactive CoS are Latency, Jitter, PDR, 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. ASE parameters associated with Business Critical-High CoS are Latency, PDR, and Network Availability.

- Business Critical-Medium
  Supports most business data applications with moderate tolerance for delay and which are less sensitive to jitter. ASE parameters associated with Business Critical-Medium CoS are Latency, PDR, and Network Availability.

- Non-Critical High
  Supports low priority business applications with more tolerance for delay and availability. ASE parameters associated with Non-Critical High CoS are Latency, PDR, and Network Availability.

Part / Section **Page**

(M) Material previously appearing on this page now appears on Page 4.

Part / Section **Page**

(M) Material now appearing on this page previously appeared on Page 3.

1.4.3 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 Local Access and Transport Area (LATA) or in different LATAs. AT&T does not bill Customer for standard EVCs. Customer assigns each EVC a CIR and CoS that must be equal to or lower than the CIR and CoS of the Port.

- For Port speeds of 100Mb, 1G, and 10G, Customer can order EVCs in any 1 Mbps increment up to the approved maximum EVC CIR.
- For Port speed of 100G, Customer can order EVC CIR 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); or
  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. AT&T will evaluate requests for EVC CIR above these limits 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 (except when one end of a point-to-point EVC terminates on a Broadband Port(1), in which case the end terminating on the Broadband Port(1) will not have a subscribed CIR). 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 Port:

Per Port	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

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement for service to new or existing customers. Refer to paragraph 1.6.

SYMBOLS

Symbols used to designate changes to the Service Guide are listed below with a description of each.

Symbol	Description of Use
(C)	Signifies a changed term or condition
(D)	Signifies deleted text, a discontinued rate, or a discontinued term
(I)	Signifies an increased rate
(M)	Signifies moved material
(N)	Signifies new text
(R)	Signifies a rate reduction
(T)	Signifies a change in text

Note: New text appearing on an Original page will not be coded with the (N) symbol. However, if existing text is moved to an Original page, the (M) symbol will be used to indicate moved material.

TRADEMARKS AND SERVICE MARKS

The following marks, to the extent they are used throughout this Service Guide, are Service Marks or Registered Trademarks of AT&T Intellectual Property.

AT&T BusinessDirect®
AT&T Switched Ethernet℠ (T)
AT&T Wavelength Metro℠

Customers may configure EVCs as point-to-point (connecting 2 locations) or as multipoint (connecting 3 or more locations), as defined above. Point-to-point EVCs can be associated with an unlimited number of Media Access Control (MAC) addresses. Multipoint EVCs will be limited to 250 MAC addresses per EVC on each Port, unless 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.

1.4.4 Frame Size

ASE 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.

1.5 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, Customer applies a priority identifier to each Ethernet frame (packet) within an EVC, and the packet is given the associated CoS priority level within AT&T's network. AT&T offers PPCoS Arrangements where suitable PPCoS facilities exist and may not be available at all locations where the Basic Arrangement is available.

PPCoS Arrangement cannot be used with an ENNI Port.

1.5.1 PPCoS Customer Port Connection (PPCoS Port)

This component provides the physical transport facilities from 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.

1.5.2 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 Port. CIR is available per Port in increments ranging from 2 Mbps to 100 Gbps as set forth in the Table below.

Supported CIR Bandwidth by Port Speed	
Port	**CIR Bandwidth Supported**
100 Mbps	2 Mbps – 100 Mbps
1 Gbps	2 Mbps – 1,000 Mbps
10 Gbps	1,000 Mbps – 10,000 Mbps
100 Gbps	10,000 Mbps – 100,000 Mbps

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

Customer must order each PPCoS Port with a single PPCoS CIR Package. Customer may select a PPCoS CIR Package that best matches the characteristics of its 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% 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% of Port CIR as Real Time CoS and remaining percentage can be divided among any/all other CoS (below Real Time) as ordered.

- Critical Data – Allows Customer to designate up to 80% 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% 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% increments (between 5% and 30%) and in 10% increments (from 40% to 100%).

1.5.3 Per Packet Class of Service – Classes of Service

The PPCoS CIR Packages are provisioned on PPCoS Ports and allow Customer to apply a CoS priority indicator to each Ethernet frame (packet) and AT&T will route the packet with the assigned CoS priority. Customer-assigned priority will signify which of the following 6 CoS AT&T will apply to that frame. PPCoS Ports support the same CoS as are supported by the Basic Arrangement, plus an additional CoS (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)

1.5.4 PPCoS Scheduling Method

ASE 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 1 of 2 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 Customer to order a new Port.

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. Customer may also use this method for VLAN-based Ports if Customer desires CoS priority to be applied as a single queue at the Port level.

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 1 EVC have no impact on another EVC. This may be appropriate when Customer needs each EVC to have its own egress prioritization schedule without impacting other EVCs on the Port.

1.5.5 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. Customer may establish EVCs 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). AT&T does not bill Customer for standard EVCs. Customer assigns each EVC a CIR that must be equal to or lower than the CIR of the Port. Under the PPCoS serving arrangement, Customer must also give each EVC a CoS profile specifying the proportion of each desired CoS (percentage of each CoS) on that EVC. Customer must allocate the CoS within the limits of the CIR package subscribed to on that PPCoS Port.

Customer may order EVCs in any 1 Mbps increment up to the maximum EVC CIR of 1000 Mbps, except for point-to-point EVCs between 2 Ports in the same LATA which have a maximum of 2000 Mbps. AT&T will evaluate requests for EVC CIR above these limits 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 (except when 1 end of a point-to-point EVC terminates on a Broadband Port(1), in which case the end terminating on the Broadband Port/1/ will not have a subscribed CIR).

For multipoint EVCs, Customer may set the CIR for any EVC according to the bandwidth needed at that Port and the bandwidth 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 Port:

Per Port	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

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement for service to new or existing customers. Refer to paragraph 1.6.

Customers may configure EVCs as point-to-point (connecting 2 locations) or as multipoint (connecting 3 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 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 AT&T provisions 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.

1.5.6 Frame Size

ASE 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; and
- 100 Mbps Ports installed prior to July 2013 may be limited to 1526 bytes.

1.6 Broadband Arrangement

This type of service provides transport of data using a single, fixed class of service for each EVC. This class of service does not include any defined service parameters or SLAs (i.e., Latency, Jitter, PDR, and Network Availability).

Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement for ASE to new or existing Customers. After that date, AT&T will not accept move, add, or change orders for Broadband Port Arrangements. Existing Customers may retain their Broadband Port Arrangements for the remainder of any existing EPP or other contractual term commitments. Upon the expiration of any existing EPP or other contractual term commitments, any remaining Broadband Port Arrangements will be provided on a month-to-month basis until AT&T withdraws the Broadband Port Arrangements on or after April 30, 2022.

Broadband Arrangement cannot be used with an ENNI Port.

1.6.1 Broadband Customer Port Connection (Broadband Port)

This component provides the physical transport facilities from Customer's Premises to an Ethernet switch at an AT&T central office. The Port has a maximum transmission speed of 1 Gbps and can synchronize with Customer-owned equipment at lower transmission speeds using Auto-Negotiation.

1.6.2 Broadband Speed Tiers and Class of Service (CoS)

Broadband Speed Tiers define the maximum bandwidth available on any Port.

Broadband Speed Tiers are offered in 6 asymmetric speeds (for which the downstream speed is higher than the upstream speed) and 2 symmetric speeds (for which the downstream and upstream speeds are the same). Broadband Speed Tiers represent the maximum downstream and upstream bandwidth that Customer can achieve; however, the actual rate of transmission may vary. Therefore, Broadband Speed Tiers are not committed or guaranteed transmission rates. Broadband Ports and/or certain Broadband Speed Tiers may not be available in all areas.

Broadband Speed Tiers (Maximum Bandwidth)	
Downstream	**Upstream**
3 Mbps	1 Mbps
6 Mbps	1 Mbps
12 Mbps	1.5 Mbps
18 Mbps	1.5 Mbps
24 Mbps	3 Mbps
45 Mbps	6 Mbps
2 Mbps	2 Mbps
4 Mbps	4 Mbps

Customer must select a Broadband Speed Tier for each Broadband Port/1/. Broadband Ports(1) are offered with a single CoS, as follows:

Broadband Basic CoS – Intended for non-critical business applications with more tolerance for delay and availability. This CoS does not include any specified service parameters or SLAs (including Latency, PDR, Jitter, or Network Availability).

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to paragraph 1.6.

1.6.3 Ethernet Virtual Connections

An EVC provides a logical connection to enable the flow of Ethernet traffic for point-to-point and multipoint Customer configurations. AT&T does not bill Customer for standard EVCs.

Each EVC terminating on a Broadband Port(1) is capable of transmitting the full bandwidth of the Broadband Speed Tier; however, the aggregate transmission rate of all EVCs on that Port cannot exceed the Broadband Speed Tier. The distant end Port may be a Broadband(1), Basic, or PPCoS Port. Customer must assign a CIR to an EVC connecting a Broadband Port(1) to a Basic or a PPCoS Port at the end of the EVC terminating on the Basic or PPCoS Port. Customer is responsible for allocating an appropriate amount of bandwidth to each EVC and for shaping traffic so as not to exceed the amount of traffic that the Broadband Port(1) and distant end Port(s) can receive.

Customer must assign to every EVC a CoS at each Port on which the EVC terminates. At each such Port, the EVC's CoS must be one of the CoS supported by that Port; e.g., Customer must assign an EVC that connects a Broadband Port(1) and a Basic Port, the Broadband Basic CoS at the Broadband Port(1) and, at the Basic Port, Customer must assign one of the CoS supported by a Basic Port.

A Broadband Port can support a maximum of 8 EVCs.

Customer should connect to a Broadband Port(1) using a routing device rather than an Ethernet hub, bridge, or switch. Only 64 MAC addresses are available per Broadband Port(1). If Customer transmits more than 64 MAC addresses and creates an impairment to services that AT&T provides to Customer or any third party, AT&T may temporarily discontinue Customer's ASE. During such period of temporary discontinuance, the credit allowance for ASE interruptions as set forth in Part 3, Section 2, paragraph 2.3 is not applicable and AT&T will continue to bill Customer for the ASE. If Customer has not corrected the impairment within 60 days after the temporary discontinuance, AT&T may terminate the ASE by written notice to Customer.

1.6.4 Frame Size

Broadband Ports(1) can support Ethernet frame sizes up to 1522 bytes.

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to paragraph 1.6.

1.7 External Network-to-Network Interface (ENNI) Arrangement

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

1.7.1 ENNI Port Connection (ENNI Port)

This component provides the physical transport facilities from 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 ASE network and Customer's Ethernet network.

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

1.7.2 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.

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 paragraph 1.4.2.

1.7.3 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 ASE 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 paragraph 1.4.3.

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.

1.7.4 Frame Size

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

1.8 Optional Features and Functions

1.8.1 Regenerator

Regenerators provide detection and retransmission of Ethernet signals and are used to provide ASE when the distance to an Ethernet switch exceeds other 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.

Regenerators are not available with Broadband Ports.(1)

1.8.2 Additional MAC Addresses

AT&T offers the Additional MAC Address feature is offered on a per Port basis. When Customer subscribes to this feature, the MAC address limit associated with multipoint EVCs (as shown in paragraphs 1.4.3 and 1.5.5) will be increased from 250 to 500 for each multipoint EVC present on that Port.

An NRC and MRC will apply per Port for increasing the MAC address limit to 500 MAC addresses per multipoint EVC.

The Additional MAC Address feature is not available with Broadband Ports.(1)

1.8.3 AT&T BusinessDirect® Customer Network Management

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

1.8.4 Alternate Serving Switch

The Alternate Serving Switch option allows Customer to order ASE from a ASE switch that is different from the ASE switch that would normally serve Customer's Premises. The Alternate Serving Switch charges apply for mileage measured between the ASE alternate switch wire center and Customer's Premises serving wire center. Monthly rates apply for mileage from the alternate ASE switch to Customer's Premises serving wire center, are based on design, and AT&T will determine such charges at the time of order.

The Alternate Serving Switch feature is not available with Broadband Ports.(1)

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to paragraph 1.6.

1.8.5 Diverse Access

Diverse Access is a feature that provides transmission paths, which are diverse from each other as provided in this Section, between 2 designated ASE Ports at the same Customer Premises and a ASE switch. The same Customer must purchase these 2 designated Port Connections and the Port Connections must be 1 Gbps, 10 Gbps, or 100 Gbps. AT&T will charge Customers purchasing Diverse Access a Diverse Access feature charge associated with each of the 2 designated Ports.

AT&T will provision each designated Port on different NTE. The fiber path from each designated Port to the ASE switch will be diverse from the path for the other designated Port, from the closest available point of divergence (e.g., the closest manhole to Customer's Premises or the closest Serving Wire Center to Customer's Premises, etc.) and, where alternate switches are available, AT&T will terminate each designated Port on a different ASE switch. In the event of an outage affecting one of the designated Ports, Customer is responsible for re-routing its traffic to the other designated Port.

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

The Diverse Access feature is not available with Broadband Ports.(1)

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to paragraph 1.6.

1.8.6 Advanced Access Failover (AAF)

AAF is designed to provide automatic failover to a redundant facility in the event of a failure of a protected facility.

When Customer orders a Port with an AAF serving arrangement, AT&T will construct it with a single Customer interface, but with additional facilities within the network. There will be 2 fiber pairs (instead of the normal single pair) connecting the NTE to 2 different core Ethernet switches in the ASE core network. These 2 fiber pairs will be diverse from each other from the closest available point of divergence (e.g., the closest manhole to Customer's Premises or the closest Serving Wire Center to Customer's Premises, etc.). The 2 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 ASE 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 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.

AAF does not include construction of dual-entrance facilities. If Customer requires dual-entrance facilities and they do not currently exist, Customer must make arrangements constructing dual-entrance facilities at Customer's expense.

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

The AAF feature is not available with Broadband Ports(1) or ENNI Ports.

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to paragraph 1.6.

1.8.7 Enhanced Multicast Feature (EMF)

EMF allows the broadcast, unknown unicast, multicast (BUM) traffic limit associated with multipoint EVCs to be increased from 2 Mbps to 30 Mbps per EVC. AT&T offers EMF on a per Port basis. Once Customer orders EMF 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. MRCs apply to each Port provisioned with the feature. An additional charge will apply for adding or removing EMF on an existing Port.

EMF for Broadband Ports(1) applies only to Broadband Speed Tiers of 24 Mbps Downstream – 3 Mbps Upstream, 45 Mbps Downstream – 6 Mbps Upstream, and 4 Mbps Downstream – 4 Mbps Upstream.

EMF is not available for EVCs terminating to ENNI Ports.

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to paragraph 1.6.

1.8.8 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 ASE where such ASE 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 ASE. The rates and charges for ASE are applicable for the AT&T-provided portion of such ASE. AT&T is responsible for the ordering, provisioning, billing, and maintenance of such ASE up to the meet point.

Meet point arrangements, where available, may be offered in 2 configurations:

- *Direct LEC* is a dedicated ASE 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 ASE, 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 ASE is located. Mileage is provided in 4 mileage bands up to 50 miles. Direct LEC is not available with Broadband Ports.(1)
- *ICO Network-to-Network (NNI) Arrangement (ICO Trunking Arrangement)* provides a shared trunk connection from the ASE switch to the meet point that is then connected to the ILEC (ICO) Ethernet switch, for purposes of providing multiple 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 ASE 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 MRCs apply for each EVC provisioned on the ICO NNI Arrangements.

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

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to paragraph 1.6.

1.8.9 AT&T Switched Ethernet on Demand℠ (ASEoD) (T)

Customer may purchase ASE using an optional ASEoD ordering process. ASEoD is described in the On Demand Guide, available at: (C)
https://cpr.att.com/pdf/publications/NOD_Guide.pdf, which AT&T may change from time to time. Customer's use of ASEoD is subject to the On Demand Guide and (C)
Customer's acceptance of any terms and conditions associated with the Business Center online portal. To purchase ASE through the ASEoD ordering process, such ASE must be: (a) ordered and managed using the ASEoD functionality in the AT&T Business Center online portal; and (b) purchased under an agreement that expressly permits Customer to purchases ASE using the ASEoD ordering process.

1.9 Traffic Controls and Limitations

AT&T may use controls to limit the amount of BUM traffic to protect the ASE network against traffic storms. The maximum throughput of combined BUM traffic will be set at 2 Mbps per multipoint EVC, unless Customer purchases the EMF, which is described in paragraph 1.8.7. Packets dropped by traffic controls are not included in SLA calculations. AT&T recommends that Customer enable controls for BUM traffic within Customer's network(s). There is no BUM restriction on point-to-point EVCs.

2.1 Definitions

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

AT&T
Participating Carriers identified in the Participating Carriers Table.

Commingling
Commingling means the connecting, attaching, or otherwise linking of an unbundled network element, or a combination of unbundled network elements, to one or more facilities or services that a requesting telecommunications carrier has obtained at wholesale from AT&T, or the combining of an unbundled network element, or a combination of unbundled network elements, with one or more such facilities or services. Commingle means the act of commingling.

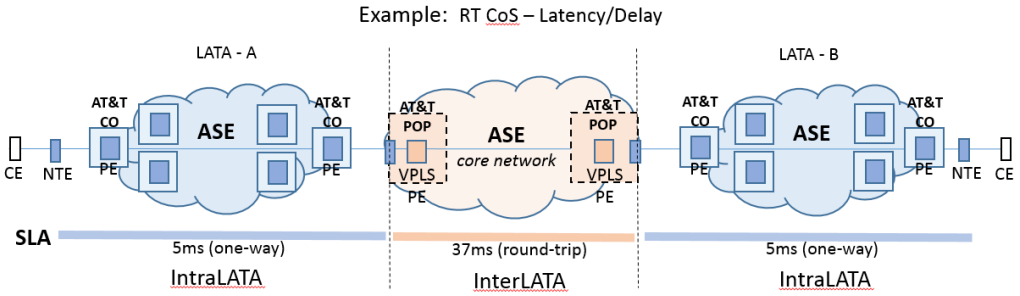
Customer
Any individual, partnership, association, joint-stock company, trust, corporation, governmental entity, or any other entity which subscribes to the Service AT&T offers under this Service Guide, including both AT&T's wholesale customers and End User customers.

Customer Site
The location at which the Service is terminated, and will be construed to include an End User's Site, as appropriate in the context, where Customer is a wholesale Customer and Service is terminated at the End User's Site that is not AT&Ts Customer.

End User
Any customer of a telecommunications service that is not a carrier, except that a carrier will 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 will be deemed to be an "End User" if all resale transmissions the reseller offers originate on the Reseller's Site.

Service
Service means AT&T Wavelength Metro℠ (AWM)(f/k/a AT&T Dedicated Ethernet) or AT&T Switched Ethernet(ASE) (which may individually referred to as Service and collectively be referred to as Services). (C)

2.1 Class of Service (CoS) SLA



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

- Customer must notify AT&T when performance for any ASE parameter fails to meet the committed level for any calendar month.
- Customer must request a ASE credit for any performance failure, using the AT&T BusinessDirect® portal or other method AT&T provides within 45 days after the end of the month in which the failure occurred. (T)
- Upon AT&T's verification that actual ASE performance for the relevant parameter failed to meet the committed level, AT&T will correct the problem within 1 month.
- If, after 1 month, ASE performance for the relevant parameter still fails to meet the committed level, AT&T will provide Customer an ASE credit equal to 25% of the MRCs for all affected Ports (for the CoS SLAs). Only 1 such credit, per Port, will be applied per calendar month, regardless of the number of ASE parameters for which performance failed to meet the committed levels.

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

AT&T will measure IntraLATA Latency, Jitter, and PDR 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 ASE network is available for use by the End User. The IntraLATA SLA ASE parameters are based on a LATA-wide average of 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 Customer requests an SLA credit.

The following table displays the CoS IntraLATA SLA ASE parameters:

	Service Measurement(1)		
Class of Service	**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
Broadband(2) Basic	N/A	N/A	N/A

(1) 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.
(2) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to Part 3, Section 1, paragraph 1.6.

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

AT&T will calculate InterLATA Latency, Jitter, and PDR by averaging sample measurements taken during a calendar month between city pairs on AT&T's core network. Those city pairs are not necessarily representative of Customer's ASE 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 Customer requests an SLA credit.

The following table displays the CoS InterLATA SLA ASE parameters:

Class of Service	Service Measurement(1)		
	Latency (one-way)	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
Broadband(2) Basic	N/A	N/A	N/A

(1) 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.

(2) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to Part 3, Section 1, paragraph 1.6.

2.2 Network Availability SLA

The Network Availability SLA ASE parameter is not less than 99.99% for all Customer Ports and Classes of Service, excluding Broadband Ports.(2) 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(1) = [(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)

Customer must: (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 ASE credit. Upon AT&T's verification that actual ASE performance for Network Availability failed to meet the committed level, AT&T will issue a credit to Customer in an amount equal to 10% of the MRC for all Customer Ports in the LATA.

2.3 Credit Allowance for Service Interruptions

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

AT&T will calculate the credit allowance for an interruption or for a series of interruptions based on the applicable MRC for the Port (or Ports) which were interrupted, including the other rate elements associated with that Port (CIR, repeater, etc.). No credit will be applicable to other Ports on the network that were uninterrupted, even if they were unable to connect with an interrupted Port.

No credit is due for an interruption period of less than 30 minutes. AT&T will credit Customer for an interruption of 30 minutes or more at the rate of 1/1440 of the MRCs for the facility or ASE for each period of 30 minutes or fraction thereof that the interruption continues after the initial 30-minute interruption.

(1) Measured performance will be rounded to the nearest hundredth (decimal place). For example, 99.985% will be rounded to 99.99%.
(2) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to Part 3, Section 1, paragraph 1.6.

2.4 SLA Exclusions

The SLA provisions, measurements, and eligibility for credit will exclude conditions wherein ASE 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 Customer or its contractors, equipment vendors, or by any carrier or service provider other than AT&T;
- Interruptions caused by Customer's or an End User's negligence;
- Interruptions of a ASE during any period in which AT&T is not afforded access to the Premises where the ASE is terminated;
- When AT&T and Customer negotiate the release of ASE: (1) for maintenance purposes; (2) to make rearrangements; or (3) to implement an order for a change in ASE, a credit does not apply during the negotiated time of release;
- Periods when Customer elects not to release the ASE 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; and/or
- Failures of any structures, facilities, or equipment on Customer's side of the demarcation point.

2.5 SLA Other Terms and Conditions

EVCs with Real Time CoS on Ports served via 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 AT&T met the IntraLATA Latency SLA.

EVCs connecting Basic or PPCoS Ports to Broadband Ports(1) are not subject to CoS SLAs and are excluded from calculations that determine whether AT&T met the SLAs.

The total credit amount of any allowances for interruptions and SLA credits applicable in a given month will not exceed 100% of the MRCs for the Port and associated rate elements.

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to Part 3, Section 1, paragraph 1.6.

3.1 Order Charge – ASE (T)

An Order Charge (also known as an Administrative Charge) applies, per order, for the installation, addition, change, rearrangement/reconfiguration, move, or cancellation of Service provided in this Service Guide (in addition to other applicable Service charges) set forth herein.

An Order Charge will not apply in the following situations:

- When Customer subscribes to a new Ethernet Payment Plan (EPP) or renews an EPP on an existing circuit;
- 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)

Order Charge (Administrative Charge)		
States	**USOC**	**Nonrecurring Charge**
Interstate		
AL, FL, GA, IL, IN, KY, LA, MI, MS, NC, NV, OH, SC, TN, WI	N/A	N/A
CA	NRBAO	$22.00
AR, KS, MO, OK, TX	NRB1X	$14.00
Intrastate Access		
AL, FL, GA, IL, IN, KY, LA, MI, MS, NC, NV, OH, SC, TN, WI	N/A	N/A
CA	NRBAO	$46.00
AR, KS, MO, OK	NRB1X	$14.00
TX	NRB1X	$13.00

3.1 Rate Elements

Except as set forth below, MRCs for ASE Ports and associated CIR are set forth in paragraph 3.4 and vary by Port type, CIR, CoS, and term.

3.2 Ethernet Payment Plan (EPP)

To subscribe to ASE, Customer must select one of the EPP options below. Customers may not subscribe to ASE on a month-to-month basis.

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

A. AT&T will waive nonrecurring charges (NRCs) shown in paragraphs 3.4.1, 3.4.2, 3.4.3, and 3.4.5 for Customers subscribing to new ASE under an EPP, and subject to paragraphs 3.2.C. and 3.2.E., or for Customers renewing ASE under an EPP on an existing circuit. For moves of ASE and ASE reconfigurations, NRCs will apply as specified in paragraphs 3.2.F. and 3.2.G.

B. During Customer's EPP, AT&T-initiated rate changes (i.e., rate increases or decreases) will be automatically applied to Customer's EPP rates for the months remaining in Customer's EPP term. However, at no time during Customer's EPP term will rates exceed Customer's initial EPP rates.

C. When an EPP expires, Customer may select a new EPP from among any EPP options which are then available to Customers under this Service Guide. EPP rates in effect at the time the new EPP starts will apply. If Customer orders such new EPP at least 10 days, but not more than 90 days, in advance of the existing EPP expiration date, the new EPP will begin immediately after AT&T processes the order.

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

AT&T reserves the right to limit processing of orders in excess of 25 orders per Customer, per business day, across all states the Participating Carriers serve (see Part 1, Section 1, Participating Carriers' Table), for new EPPs that replace or renew either an expiring or expired EPP, unless AT&T agrees otherwise in writing.

D. The MTM rates in paragraph 3.4 will apply when Customer's EPP expires. AT&T will bill Customer the MTM rates in effect until such time as Customer selects a new EPP or ASE is disconnected.

E. Termination Liability applies, as described in the Customer's Pricing Schedule or Master Agreement, if Customer disconnects ASE (or AT&T disconnects ASE for default by Customer) prior to the end of the selected EPP. In addition, the Customer must pay all nonrecurring charges that were waived, as specified in (A) above.

3.2 Design Change Charge

Customer may request a Design Change to an Order for Service. A Design Change is any change to an order which requires engineering review. AT&T must conduct an engineering review of Customer's Service Order, as well as the requested changes, to determine what Design Change, if any, is necessary to meet Customer's requested change. Design Changes include such things as the following activities: (a) for either AWM or ASE: addition or deletion of optional features or functions or a change in the type of port configuration, type of channel interface or technical specification package; and (b) a change in the type of Class of Service (CoS) or Committed Information Rate (CIR) for ASE. (T) (T)

Design Changes do not include the following activities: (a) for AWM and ASE: a change of the Customer Site, End User Site, end office switch, channel type, or port speed; or (b) a change to the Ethernet serving switch or port speed type for ASE. Changes of this nature will require Customer to issue a new order, cancel the original order, and pay any associated Cancellation Charges, as specified in Part 1, Section 7. (T) (T)

AT&T will review the requested change and notify 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.

Design Change Charge, per order	
USOC: H28	
States	**Charge**
Interstate	
IL, IN, MI, OH, WI	$58.00
CA	$17.00
NV	$60.00
AR, KS, MO, OK, TX	$32.96
AL, FL, GA, KY, LA, MS, NC, SC, TN	$39.93
Intrastate Access	
AL	$60.94
AR, KS, OK	$32.96
CA *(AT&T Switched Ethernet only)*	$21.75 (D)
FL, GA, LA, MS, SC, TN, TX	$26.21
IL, IN, MI, OH, WI	$58.00
KY	$33.37
MO	$22.00
NV	$60.00

F. 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), AT&T will charge previously waived NRCs associated with the existing ASE (if still under term) for all ASE components affected.

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

When the move is to a different building (i.e., a different Customer Premises), AT&T will treat such a move as a disconnection of ASE and an activation/installation of new ASE. If the disconnected ASE is under an EPP, AT&T will bill Customer for any previously waived NRCs for ASE. Termination liability will apply for such a move (if the EPP has not expired) except where all of the following conditions are met:

- The existing and new ASE locations must be in the same serving wire center;
- Customer's existing ASE must have been in place for at least 12 months;
- Customer must select a new EPP, subject to the rates in effect at the time of the move, for the new ASE at the new location that has a term that is equal to or greater than the remainder of the existing EPP;
- Customer must place, and AT&T must receive, an Order(s) to disconnect the existing ASE and reestablish Service at the new location on the same date; and (T)
- No lapse in billing will occur for moves of ASE under an EPP. If Customer requests that both the existing ASE and the new ASE be in service at the same time, such overlapping ASE will be provided for no more than 90 days, and all applicable charges will be billed for both Services during the period of overlapping Service.

3.3 Service Date Change Charge/Dispatch Charge – AWM

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

If Customer is unable to accept AWM within 31 calendar days after the original due date, one of the following will apply:

- If AT&T has not fully provisioned AWM, AT&T will cancel the order on the 31st calendar day after the original due date and the Cancellation Charges specified in Part 1, Section 5, paragraph 5.1 will apply; or
- If AT&T has fully provisioned AWM, AT&T will begin billing for the Service on the 31st calendar day after the original due date.

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

Service Date Change Charge, per order, per occurrence		
States	**USOC**	**Charge**
Interstate		
CA	OMC/OMCSD	$26.50
AR, IL, IN, KS, MI, MO, NV, OH, OK, TX, WI	OMC	$26.50
AL, FL, GA, KY, LA, MS, NC, SC, TN		$31.60
Intrastate Access		
FL, GA, LA, MS, NC, SC, TN	OMC	$26.21
AL		$35.13
CA *(AT&T Switched Ethernet only)*		$21.75 (D)
KY		$33.37
IL		$24.70
AR, IN, KS, MI, OH, OK, TX, WI		$26.50
MO		$13.00
NV		$26.50

Service Date Change Dispatch Charge, per occurrence		
States	**USOC**	**Charge**
Interstate		
AR, CA, IL, IN, KS, MI, MO, NV, OH, OK, TX, WI	VT6DN	$200.00
AL, FL, GA, KY, LA, MS, NC, SC, TN	OMCAD	$150.00
Intrastate Access		
AR, IL, IN, KS, MI, MO, NV, OH, OK, TX, WI	VT6DN	$200.00
AL, FL, GA, KY, LA, MS, NC, SC, TN	OMCAD	$150.00

AT&T's Discretionary Cancellation of Orders

If AT&T cannot fully provision AWM, or Customer is unable to accept AWM, and no due date has been established, AT&T will send Customer a written clarification notice(s) advising Customer to supplement its order(s) within 30 days after the date of the written clarification notice. If AT&T does not receive a supplement to the order(s), or if Customer otherwise fails to resolve any condition that may preclude or impair AT&T's ability to provide AWM, within 30 days after the date of the written clarification notice, AT&T may, in its sole discretion, cancel the relevant order(s).

G. Customer may rearrange/reconfigure ASE, subject to the conditions below:

Upgrade: An Upgrade for purposes of this paragraph 3.2.G. consists of one or more of the following:

- A reconfiguration to a higher speed Port without a simultaneous change in Port type from a PPCoS or Basic Port to a Broadband Port;(1) or
- A reconfiguration from a Broadband Port to a Basic Port or PPCoS Port, or from a Basic Port to a PPCoS Port, without a simultaneous change to a lower Port speed.

EPP Termination Liability will not apply to an Upgrade, provided that the following conditions are met:

- The new and existing ASE must be billed to the same Customer at the same Customer Premises; and
- Customer must select a new EPP with a term that is equal to or greater than the remainder of the EPP of the disconnected ASE.

If Customer Upgrades ASE during an EPP, AT&T will bill Customer for any previously waived NRCs associated with the existing ASE for all ASE components affected by such reconfiguration. An example of such upgrade would be a change from a 1 Gbps to a 10 Gbps Port. The higher speed Port under this provision may be ordered with a different Ordering Process than the one it is replacing.

Downgrade: A Downgrade for purposes of this paragraph 3.2.G. is a reconfiguration that consists of one or more of the following:

- A reconfiguration to a lower speed Port; or
- A reconfiguration from a PPCoS Port to a same or lower speed Basic Port, or from a PPCoS Port or Basic Port to a Broadband Port.

Downgrades are subject to EPP Termination Liability and NRCs will apply, as set forth in paragraph 3.2.E., to all ASE components affected. Customer must select a new EPP for the reconfigured ASE. The new EPP will be subject to the rates in effect at the time of the reconfiguration.

(1) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to Part 3, Section 1, paragraph 1.6.

3.4 Service Date Change Charge/Dispatch Charge – ASE (T)

If Customer is unable to accept ASE on the original due date, Customer may issue 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 Customer makes such request, AT&T will accordingly delay the start of ASE and Customer will incur a Service Date Change Charge for each supplemental order. AT&T must receive the first supplement to the order on or before the 30th calendar day 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 ASE within 121 calendar days after the original due date, one of the following will apply:

- If AT&T has not fully provisioned ASE, AT&T will cancel the order on the 121st calendar day after the original due date and the charges specified in Part 1, Section 5, paragraph 5.2 will apply; or
- If AT&T has fully provisioned ASE, AT&T will begin billing for ASE on the 121st calendar day after the original due date.

If Customer is unable to accept ASE 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 in Part 1, Section 5, paragraph 5.2 will apply. If AT&T has fully provisioned ASE, AT&T alternatively may begin billing for ASE on the 31st calendar day after the original due date. For purposes of this Part/Section, ASE has been fully provisioned once a Customer Port Connection (Port) has been installed and is ready for use, including its associated CIR and CoS. Ethernet Virtual Channels (EVCs) associated with a Port may be ordered either at the same time as the Port or subsequently.

If an AT&T technician is dispatched to a Customer Site on the scheduled service date and Customer is not ready to accept ASE or Customer 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.

AT&T's Discretionary Cancellation of Orders

If AT&T cannot fully provision ASE, or Customer is unable to accept ASE, and no due date has been established, AT&T will send Customer a written clarification notice(s) advising Customer to supplement its order(s) within 30 days after the date of the written clarification notice. If AT&T does not receive a supplement to the order(s), or if Customer otherwise fails to resolve any condition that may preclude or impair AT&T's ability to provide ASE, within 30 days after the date of the written clarification notice, AT&T may, in its sole discretion, cancel the relevant order(s).

H. Change of Ordering Process: A Change of Ordering Process for purposes of this paragraph 3.2.H. is a reconfiguration from standard ordering processes to the AT&T Switched Ethernet on Demand℠ (ASEoD) ordering process (see Part 3, Section 1, paragraph 1.8.9), or a reconfiguration from the AT&T NoD ordering process to standard ordering processes. EPP Termination Liability will not apply to a Change of Ordering Process, provided that the following conditions are met: (T)

- Existing ASE must have completed at least 1 full EPP;
- New ASE must include the same or higher speed Port as existing ASE;
- New ASE must be billed to the same Customer of record at the same Customer Site;
- Customer must select a new EPP with a term that is equal to or greater than the remainder of the EPP of the disconnected ASE; and
- No lapse in billing will occur for reconfigurations of ASE under an EPP. If the Customer requests that both the existing ASE and the new ASE be in service at the same time, such overlapping ASE will be billed for both ASE during the period of overlapping ASE.

Reconfigurations that require changes only to the CoS, PPCoS CIR Package, Broadband Speed Tier, or CIR are not subject to EPP Termination Liability but the NRCs associated with the new CoS, PPCoS Package, Broadband Speed Tier, or CIR service components will apply subject to the following exception. AT&T will waive the NRCs for ASE ordered using the ASEoD ordering process.

The term effective dates associated with the Port will apply to the associated CIR/CoS or Broadband Speed Tier. For example, a Customer with a 60-month EPP on a Port and CIR configuration may change the CIR in month 48, without changing the original EPP expiration date associated with both the Port and CIR.

For reconfigurations of interface type, or Port configuration (Port-based or VLAN-based) involving the same Port speed, Port type, and version of ASE, the NRC associated with the Port will apply. An example of such change would be a Customer-requested change at Customer's Site from a multi-mode fiber interface to a single-mode fiber interface. EPP Termination Liability will not apply to such reconfiguration changes.

For any of the reconfigurations described above, other than Downgrade: (a) if Customer has completed an EPP, Customer must select a new EPP for the reconfigured ASE; (b) for reconfigurations which require an order to disconnect ASE and an order to add ASE, AT&T must receive the request from Customer as a single request, and there may be no lapse in billing; and (c) new and previously existing ASE may overlap to the extent required, with both ASE incurring charges during the overlap period.

I. Upgrades to a Higher Level of ASE

Customer may upgrade from ASE to a different service AT&T provides. EPP Termination Liability will not apply if all of the following conditions are met:

1. Either:
   - The new service Customer requests must be at a transport speed or capacity greater than the speed or capacity of ASE; or
   - The new service must offer the same transport speed or capacity as available with ASE and include technology or functionality not available with ASE; and

2. The new service and existing ASE must be billed to the same Customer of record at the same Customer Premises;

3. Customer's existing ASE 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 Customer's existing EPP;

5. Customer must place, and AT&T must receive, the order for the new service and the disconnect order for the existing service on the same date; and (T)

6. If Customer requests that both the existing ASE and the new higher-level service be in service at the same time, such overlapping service will 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 paragraph 3.2.I. will prohibit upgrades within ASE as allowed under the terms contained elsewhere in this Service Guide.

J. Conversion of DS1 and DS3 Services to ASE

The replacement of AT&T interstate DS1 or DS3 special access services with ASE will not be deemed to be a termination or disconnection of the relevant DS1 or DS3 special access service for purposes of applying termination liability charges, provided that all of the following conditions are met:

1. The length of the EPP for ASE 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 special access service must:
   - Have been in service for at least 12 months; and
   - Have been provided to the same Customer Premises as the ASE; and
3. Customer must issue a disconnect order for the replaced DS1 and/or DS3 special access service to be effective within 90 days after the ASE installation date.

For the purposes of this paragraph 3.2.J., one ASE Port may replace multiple existing DS1 or DS3 special access services AT&T provided.

3.3 Administrative Charge

The Administrative Charge (also known as an Order Charge) is a NRC that applies for each order. AT&T will waive the Administrative Charge for new ASE ordered under an EPP or renewed ASE under an EPP on an existing circuit as specified in paragraph 3.2.A.

3.4 Rates and Charges

3.4.1 Customer Port Connection

Customer Port Connection									
				Monthly Rates					
				EPP Monthly Rates					Term
Port Speed	USOC	USOC (BellSouth Only)	NRC Charge(1)	12 Months	24 Months	36 Months	48 Months	60 Months	Extension MTM
Basic Port									
100 Mbps	EYQEX	OEM1M	$1,925	$624	$600	$390	$366	$345	$624
1 Gbps	EYQFX	OEM1G	2,100	960	920	600	590	580	960
10 Gbps	EYQGX	OEMXG	15,750	8,000	7,600	4,500	3,900	3,450	8,000
100 Gbps	EY7AG	OEMPX	30,000	16,000	15,000	10,000	9,000	8,000	16,000
PPCoS Port									
100 Mbps	EYQLX	OEMLX	1,925	880	784	468	438	414	880
1 Gbps	EYQMX	OEMMX	2,100	1,344	1,104	820	666	612	1,344
10 Gbps	EYQNX	OEMNX	15,750	9,600	9,120	5,400	4,680	4,140	9,600
100 Gbps	EY7AH	OEMQX	30,000	19,200	18,000	12,000	10,800	9,600	19,200
Broadband Port(2)									
1 Gbps	EYQUX	OEMUX	1,250	240	230	200	185	175	280
ENNI Port									
10 Gbps	EYQGX	OEMXG	15,750	8,000	7,600	4,500	3,900	3,450	8,000

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.
(2) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to Part 3, Section 1, paragraph 1.6.

3.4.2 Class of Service and Committed Information Rate

Committed Information Rate							
Basic Arrangement							
Real Time Class of Service							
				Monthly Rates			
				EPP Monthly Rates			**Term Extension MTM**
CIR (Mbps)	**USOC**	**USOC (BellSouth Only)**	**NRC Charge(1)**	**12 Months**	**24 Months**	**36, 48, and 60 Months**	
2	R6E2X	OEMO2	$150	$920	$408	$312	$920
4	R6E4X	OEMO4		940	440	345	940
5	R6EAX	OEMO5		1,000	520	382	1,000
8	R6E8X	OEMO8		1,020	600	408	1,020
10	R6EBX	OEM1O		1,076	808	546	1,076
20	R6EDX	OEM2O		1,504	1,040	708	1,504
50	R6EHX	OEM5O		1,672	1,168	792	1,672
100	R6ELX	OEM1H		1,896	1,320	900	1,876
150	R6ENX	OEM1F		2,416	1,507	980	2,416
250	R6EQX	OEM2F		2,680	1,950	1,285	2,680
400	R6ESX	OEM4H		2,940	2,105	1,398	2,940
500	R6ETX	OEM5H		3,112	2,198	1,482	3,112
600	R6EUX	OEM6H		3,544	2,480	1,686	3,544
1,000	R6EZX	OEM1T		4,032	2,808	1,914	4,032
2,000	R61BX	OEM2T		5,694	4,840	3,300	5,694
2,500	R61CX	OEM25		6,834	5,808	3,960	6,834
4,000	R61FX	OEM4T		8,066	6,856	4,674	8,066
5,000	R61HX	OEM5T		9,487	8,064	5,496	9,487
7,500	R61NX	OEM75		12,462	10,592	7,218	12,462
9,500	R61RX	OEM95		14,834	12,608	8,592	14,834
10,000	R61SX	OEMTT		15,417	13,104	8,934	15,417
15,000	R612X	OEMQB		17,980	15,290	10,720	17,980
20,000	R613X	OEMQC		20,540	17,460	12,500	20,540
25,000	R614X	OEMQD		23,120	19,650	14,290	23,120
30,000	R615X	OEMQE		25,680	21,840	16,080	25,680
35,000	R616X	OEMQF		28,250	24,010	17,860	28,250
40,000	R617X	OEMQG		30,820	26,200	19,650	30,820
45,000	R618X	OEMQH		33,390	28,370	21,430	33,390
50,000	R619X	OEMQJ		35,950	30,560	23,220	35,950
60,000	R61TX	OEMQK		38,530	32,750	25,010	38,530
70,000	R61UX	OEMQL		41,090	34,920	26,790	41,090
80,000	R61VX	OEMQM		44,940	38,200	29,470	44,940
90,000	R61WX	OEMQN		48,800	41,470	32,150	48,800
100,000	R61XX	OEMQO		51,360	43,660	35,720	51,360

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Committed Information Rate (Cont'd)							
Basic Arrangement (Cont'd)							
Interactive Class of Service							
				Monthly Rates			
				EPP Monthly Rates			**Term Extension MTM**
CIR (Mbps)	**USOC**	**USOC (BellSouth Only)**	**NRC Charge(1)**	**12 Months**	**24 Months**	**36, 48, and 60 Months**	
2	R6E2X	OEMO2	$150	$860	$376	$288	$860
4	R6E4X	OEMO4		880	416	320	880
5	R6EAX	OEMO5		940	488	356	940
8	R6E8X	OEMO8		960	560	381	960
10	R6EBX	OEM1O		1,016	752	510	1,016
20	R6EDX	OEM2O		1,304	968	660	1,304
50	R6EHX	OEM5O		1,448	1,080	735	1,448
100	R6ELX	OEM1H		1,648	1,232	840	1,648
150	R6ENX	OEM1F		2,096	1,397	915	2,096
250	R6EQX	OEM2F		2,328	1,815	1,195	2,328
400	R6ESX	OEM4H		2,556	1,955	1,302	2,556
500	R6ETX	OEM5H		2,704	2,045	1,380	2,704
600	R6EUX	OEM6H		3,080	2,312	1,575	3,080
1,000	R6EZX	OEM1T		3,504	2,624	1,785	3,504
2,000	R61BX	OEM2T		5,327	4,528	3,084	5,327
2,500	R61CX	OEM25		6,382	5,424	3,696	6,382
4,000	R61FX	OEM4T		7,539	6,408	4,368	7,539
5,000	R61HX	OEM5T		8,866	7,536	5,136	8,866
7,500	R61NX	OEM75		11,642	9,896	6,744	11,642
9,500	R61RX	OEM95		13,854	11,776	8,028	13,854
10,000	R61SX	OEMTT		14,410	12,248	8,346	14,410
15,000	R612X	OEMQB		16,800	14,280	10,020	16,800
20,000	R613X	OEMQC		19,200	16,320	11,680	19,200
25,000	R614X	OEMQD		21,600	18,360	13,350	21,600
30,000	R615X	OEMQE		24,000	20,400	15,020	24,000
35,000	R616X	OEMQF		26,400	22,440	16,690	26,400
40,000	R617X	OEMQG		28,800	24,480	18,360	28,800
45,000	R618X	OEMQH		31,200	26,510	20,030	31,200
50,000	R619X	OEMQJ		33,600	28,560	21,700	33,600
60,000	R61TX	OEMQK		36,010	30,600	23,370	36,010
70,000	R61UX	OEMQL		38,400	32,640	25,040	38,400
80,000	R61VX	OEMQM		42,000	35,700	27,540	42,000
90,000	R61WX	OEMQN		45,600	38,760	30,050	45,600
100,000	R61XX	OEMQO		48,000	40,800	33,380	48,000

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Committed Information Rate (Cont'd)							
Basic Arrangement (Cont'd)							
Business Critical - High Class of Service							
				Monthly Rates			
				EPP Monthly Rates			
CIR (Mbps)	**USOC**	**USOC (BellSouth Only)**	**NRC Charge(1)**	**12 Months**	**24 Months**	**36, 48, and 60 Months**	**Term Extension MTM**
2	R6E2X	OEMO2	$150	$830	$320	$245	$830
4	R6E4X	OEMO4		850	364	282	850
5	R6EAX	OEMO5		910	444	318	910
8	R6E8X	OEMO8		930	524	357	930
10	R6EBX	OEM1O		986	664	450	986
20	R6EDX	OEM2O		1,180	880	600	1,180
50	R6EHX	OEM5O		1,332	992	675	1,332
100	R6ELX	OEM1H		1,536	1,144	780	1,536
150	R6ENX	OEM1F		1,864	1,342	1,016	1,864
250	R6EQX	OEM2F		2,100	1,632	1,075	2,100
400	R6ESX	OEM4H		2,320	1,775	1,182	2,320
500	R6ETX	OEM5H		2,468	1,868	1,474	2,468
600	R6EUX	OEM6H		2,848	2,136	1,574	2,848
1,000	R6EZX	OEM1T		3,272	2,400	2,300	3,272
2,000	R61BX	OEM2T		5,149	4,376	2,982	5,149
2,500	R61CX	OEM25		6,170	5,244	3,573	6,170
4,000	R61FX	OEM4T		7,290	6,196	4,224	7,290
5,000	R61HX	OEM5T		8,574	7,288	4,968	8,574
7,500	R61NX	OEM75		11,257	9,568	6,522	11,257
9,500	R61RX	OEM95		13,398	11,388	7,764	13,398
10,000	R61SX	OEMTT		13,934	11,844	8,073	13,934
15,000	R612X	OEMQB		16,250	13,820	9,690	16,250
20,000	R613X	OEMQC		18,570	15,780	11,300	18,570
25,000	R614X	OEMQD		20,900	17,760	12,920	20,900
30,000	R615X	OEMQE		23,220	19,740	14,530	23,220
35,000	R616X	OEMQF		25,530	21,700	16,150	25,530
40,000	R617X	OEMQG		27,860	23,680	17,760	27,860
45,000	R618X	OEMQH		30,180	25,650	19,380	30,180
50,000	R619X	OEMQJ		32,500	27,620	20,990	32,500
60,000	R61TX	OEMQK		34,830	29,600	22,600	34,830
70,000	R61UX	OEMQL		37,150	31,570	24,220	37,150
80,000	R61VX	OEMQM		40,620	34,530	26,640	40,620
90,000	R61WX	OEMQN		44,110	37,490	29,060	44,110
100,000	R61XX	OEMQO		46,430	39,460	32,290	46,430

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Committed Information Rate (Cont'd)							
Basic Arrangement (Cont'd)							
Business Critical - Medium Class of Service							
				Monthly Rates			
				EPP Monthly Rates			**Term Extension MTM**
CIR (Mbps)	**USOC**	**USOC (BellSouth Only)**	**NRC Charge(1)**	**12 Months**	**24 Months**	**36, 48, and 60 Months**	
2	R6E2X	OEMO2	$150	$800	$264	$204	$800
4	R6E4X	OEMO4		820	312	242	820
5	R6EAX	OEMO5		880	400	280	880
8	R6E8X	OEMO8		900	488	330	900
10	R6EBX	OEM1O		956	576	390	956
20	R6EDX	OEM2O		1,056	792	540	1,056
50	R6EHX	OEM5O		1,216	904	615	1,216
100	R6ELX	OEM1H		1,424	1,056	720	1,424
150	R6ENX	OEM1F		1,632	1,330	838	1,632
250	R6EQX	OEM2F		1,872	1,450	955	1,872
400	R6ESX	OEM4H		2,088	1,595	1,062	2,088
500	R6ETX	OEM5H		2,232	1,689	1,140	2,232
600	R6EUX	OEM6H		2,616	1,960	1,335	2,616
1,000	R6EZX	OEM1T		3,040	2,272	1,545	3,040
2,000	R61BX	OEM2T		4,970	4,224	2,880	4,970
2,500	R61CX	OEM25		5,958	5,064	3,450	5,958
4,000	R61FX	OEM4T		7,040	5,984	4,080	7,040
5,000	R61HX	OEM5T		8,282	7,040	4,800	8,282
7,500	R61NX	OEM75		10,871	9,240	6,300	10,871
9,500	R61RX	OEM95		12,942	11,000	7,500	12,942
10,000	R61SX	OEMTT		13,459	11,440	7,800	13,459
15,000	R612X	OEMQB		15,700	13,350	9,360	15,700
20,000	R613X	OEMQC		17,940	15,250	10,920	17,940
25,000	R614X	OEMQD		20,190	17,160	12,480	20,190
30,000	R615X	OEMQE		22,430	19,070	14,040	22,430
35,000	R616X	OEMQF		24,670	20,970	15,600	24,670
40,000	R617X	OEMQG		26,920	22,880	17,160	26,920
45,000	R618X	OEMQH		29,160	24,780	18,720	29,160
50,000	R619X	OEMQJ		31,400	26,690	20,280	31,400
60,000	R61TX	OEMQK		33,650	28,600	21,840	33,650
70,000	R61UX	OEMQL		35,890	30,500	23,400	35,890
80,000	R61VX	OEMQM		39,250	33,360	25,740	39,250
90,000	R61WX	OEMQN		42,620	36,220	28,080	42,620
100,000	R61XX	OEMQO		44,860	38,130	31,200	44,860

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Committed Information Rate (Cont'd)							
Basic Arrangement (Cont'd)							
Non-Critical - High Class of Service							
				Monthly Rates			
				EPP Monthly Rates			**Term Extension MTM**
CIR (Mbps)	**USOC**	**USOC (BellSouth Only)**	**NRC Charge(1)**	**12 Months**	**24 Months**	**36, 48, and 60 Months**	
2	R6E2X	OEMO2	$150	$740	$248	$197	$740
4	R6E4X	OEMO4		760	296	235	760
5	R6EAX	OEMO5		820	372	268	820
8	R6E8X	OEMO8		840	456	318	840
10	R6EBX	OEM1O		896	536	372	896
20	R6EDX	OEM2O		1,008	740	516	1,008
50	R6EHX	OEM5O		1,160	844	588	1,160
100	R6ELX	OEM1H		1,360	984	684	1,360
150	R6ENX	OEM1F		1,552	1,195	797	1,552
250	R6EQX	OEM2F		1,784	1,345	910	1,784
400	R6ESX	OEM4H		1,992	1,485	1,011	1,992
500	R6ETX	OEM5H		2,128	1,572	1,086	2,128
600	R6EUX	OEM6H		2,488	1,824	1,272	2,488
1,000	R6EZX	OEM1T		2,888	2,112	1,470	2,888
2,000	R61BX	OEM2T		4,728	3,936	2,736	4,728
2,500	R61CX	OEM25		5,664	4,720	3,282	5,664
4,000	R61FX	OEM4T		6,688	5,576	3,876	6,688
5,000	R61HX	OEM5T		7,872	6,560	4,560	7,872
7,500	R61NX	OEM75		10,328	8,612	5,988	10,328
9,500	R61RX	OEM95		12,296	10,252	7,128	12,296
10,000	R61SX	OEMTT		12,792	10,660	7,410	12,792
15,000	R612X	OEMQB		14,920	12,680	8,890	14,920
20,000	R613X	OEMQC		17,040	14,490	10,370	17,040
25,000	R614X	OEMQD		19,180	16,300	11,860	19,180
30,000	R615X	OEMQE		21,310	18,120	13,340	21,310
35,000	R616X	OEMQF		23,440	19,920	14,820	23,440
40,000	R617X	OEMQG		25,570	21,740	16,300	25,570
45,000	R618X	OEMQH		27,700	23,540	17,780	27,700
50,000	R619X	OEMQJ		29,830	25,360	19,270	29,830
60,000	R61TX	OEMQK		31,970	27,170	20,750	31,970
70,000	R61UX	OEMQL		34,100	28,980	22,230	34,100
80,000	R61VX	OEMQM		37,290	31,690	24,450	37,290
90,000	R61WX	OEMQN		40,490	34,410	26,680	40,490
100,000	R61XX	OEMQO		42,620	36,220	29,640	42,620

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Committed Information Rate (Cont'd)							
Per Packet Class of Service (PPCoS) Arrangement							
Multimedia High CIR Package							
				Monthly Rates			
				EPP Monthly Rates			Term Extension MTM
CIR (Mbps)	USOC	USOC (BellSouth Only)	NRC Charge(1)	12 Months	24 Months	36, 48, and 60 Months	
2	R6E2X	OEMO2	$150	$920	$408	$312	$920
4	R6E4X	OEMO4		940	440	345	940
5	R6EAX	OEMO5		1,000	520	382	1,000
8	R6E8X	OEMO8		1,020	600	408	1,020
10	R6EBX	OEM1O		1,076	808	546	1,076
20	R6EDX	OEM2O		1,504	1,040	708	1,504
50	R6EHX	OEM5O		1,672	1,168	792	1,672
100	R6ELX	OEM1H		1,896	1,320	900	1,876
150	R6ENX	OEM1F		2,416	1,507	980	2,416
250	R6EQX	OEM2F		2,680	1,950	1,285	2,680
400	R6ESX	OEM4H		2,940	2,105	1,398	2,940
500	R6ETX	OEM5H		3,112	2,198	1,482	3,112
600	R6EUX	OEM6H		3,544	2,480	1,686	3,544
1,000	R6EZX	OEM1T		4,032	2,808	1,914	4,032
2,000	R61BX	OEM2T		5,694	4,840	3,300	5,694
2,500	R61CX	OEM25		6,834	5,808	3,960	6,834
4,000	R61FX	OEM4T		8,066	6,856	4,674	8,066
5,000	R61HX	OEM5T		9,487	8,064	5,496	9,487
7,500	R61NX	OEM75		12,462	10,592	7,218	12,462
9,500	R61RX	OEM95		14,834	12,608	8,592	14,834
10,000	R61SX	OEMTT		15,417	13,104	8,934	15,417
15,000	R612X	OEMQB		17,980	15,290	10,720	17,980
20,000	R613X	OEMQC		20,540	17,460	12,500	20,540
25,000	R614X	OEMQD		23,120	19,650	14,290	23,120
30,000	R615X	OEMQE		25,680	21,840	16,080	25,680
35,000	R616X	OEMQF		28,250	24,010	17,860	28,250
40,000	R617X	OEMQG		30,820	26,200	19,650	30,820
45,000	R618X	OEMQH		33,390	28,370	21,430	33,390
50,000	R619X	OEMQJ		35,950	30,560	23,220	35,950
60,000	R61TX	OEMQK		38,530	32,750	25,010	38,530
70,000	R61UX	OEMQL		41,090	34,920	26,790	41,090
80,000	R61VX	OEMQM		44,940	38,200	29,470	44,940
90,000	R61WX	OEMQN		48,800	41,470	32,150	48,800
100,000	R61XX	OEMQO		51,360	43,660	35,720	51,360

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Committed Information Rate (Cont'd)							
Per Packet Class of Service (PPCoS) Arrangement (Cont'd)							
Multimedia Standard CIR Package							
				Monthly Rates			
				EPP Monthly Rates			Term Extension MTM
CIR (Mbps)	USOC	USOC (BellSouth Only)	NRC Charge(1)	12 Months	24 Months	36, 48, and 60 Months	
2	R6E2X	OEMO2	$150	$860	$376	$288	$860
4	R6E4X	OEMO4		880	416	320	880
5	R6EAX	OEMO5		940	488	356	940
8	R6E8X	OEMO8		960	560	381	960
10	R6EBX	OEM1O		1,016	752	510	1,016
20	R6EDX	OEM2O		1,304	968	660	1,304
50	R6EHX	OEM5O		1,448	1,080	735	1,448
100	R6ELX	OEM1H		1,648	1,232	840	1,648
150	R6ENX	OEM1F		2,096	1,397	915	2,096
250	R6EQX	OEM2F		2,328	1,815	1,195	2,328
400	R6ESX	OEM4H		2,556	1,955	1,302	2,556
500	R6ETX	OEM5H		2,704	2,045	1,380	2,704
600	R6EUX	OEM6H		3,080	2,312	1,575	3,080
1,000	R6EZX	OEM1T		3,504	2,624	1,785	3,504
2,000	R61BX	OEM2T		5,327	4,528	3,084	5,327
2,500	R61CX	OEM25		6,382	5,424	3,696	6,382
4,000	R61FX	OEM4T		7,539	6,408	4,368	7,539
5,000	R61HX	OEM5T		8,866	7,536	5,136	8,866
7,500	R61NX	OEM75		11,642	9,896	6,744	11,642
9,500	R61RX	OEM95		13,854	11,776	8,028	13,854
10,000	R61SX	OEMTT		14,410	12,248	8,346	14,410
15,000	R612X	OEMQB		16,800	14,280	10,020	16,800
20,000	R613X	OEMQC		19,200	16,320	11,680	19,200
25,000	R614X	OEMQD		21,600	18,360	13,350	21,600
30,000	R615X	OEMQE		24,000	20,400	15,020	24,000
35,000	R616X	OEMQF		26,400	22,440	16,690	26,400
40,000	R617X	OEMQG		28,800	24,480	18,360	28,800
45,000	R618X	OEMQH		31,200	26,510	20,030	31,200
50,000	R619X	OEMQJ		33,600	28,560	21,700	33,600
60,000	R61TX	OEMQK		36,010	30,600	23,370	36,010
70,000	R61UX	OEMQL		38,400	32,640	25,040	38,400
80,000	R61VX	OEMQM		42,000	35,700	27,540	42,000
90,000	R61WX	OEMQN		45,600	38,760	30,050	45,600
100,000	R61XX	OEMQO		48,000	40,800	33,380	48,000

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Committed Information Rate (Cont'd)							
Per Packet Class of Service (PPCoS) Arrangement (Cont'd)							
Critical Data CIR Package							
				Monthly Rates			
				EPP Monthly Rates			Term Extension MTM
CIR (Mbps)	USOC	USOC (BellSouth Only)	NRC Charge(1)	12 Months	24 Months	36, 48, and 60 Months	
2	R6E2X	OEMO2	$150	$800	$260	$252	$800
4	R6E4X	OEMO4		820	312	263	820
5	R6EAX	OEMO5		880	400	270	880
8	R6E8X	OEMO8		900	488	330	900
10	R6EBX	OEM1O		956	576	390	956
20	R6EDX	OEM2O		1,056	792	540	1,056
50	R6EHX	OEM5O		1,216	904	615	1,216
100	R6ELX	OEM1H		1,424	1,056	720	1,424
150	R6ENX	OEM1F		1,632	1,216	825	1,632
250	R6EQX	OEM2F		1,872	1,392	945	1,872
400	R6ESX	OEM4H		2,088	1,560	1,062	2,088
500	R6ETX	OEM5H		2,232	1,672	1,140	2,232
600	R6EUX	OEM6H		2,616	1,960	1,335	2,616
1,000	R6EZX	OEM1T		3,040	2,272	1,545	3,040
2,000	R61BX	OEM2T		4,970	4,224	2,880	4,970
2,500	R61CX	OEM25		5,958	5,064	3,450	5,958
4,000	R61FX	OEM4T		7,040	5,984	4,080	7,040
5,000	R61HX	OEM5T		8,282	7,040	4,800	8,282
7,500	R61NX	OEM75		10,871	9,240	6,300	10,871
9,500	R61RX	OEM95		12,942	11,000	7,500	12,942
10,000	R61SX	OEMTT		13,459	11,440	7,800	13,459
15,000	R612X	OEMQB		15,700	13,350	9,360	15,700
20,000	R613X	OEMQC		17,940	15,250	10,920	17,940
25,000	R614X	OEMQD		20,190	17,160	12,480	20,190
30,000	R615X	OEMQE		22,430	19,070	14,040	22,430
35,000	R616X	OEMQF		24,670	20,970	15,600	24,670
40,000	R617X	OEMQG		26,920	22,880	17,160	26,920
45,000	R618X	OEMQH		29,160	24,780	18,720	29,160
50,000	R619X	OEMQJ		31,400	26,690	20,280	31,400
60,000	R61TX	OEMQK		33,650	28,600	21,840	33,650
70,000	R61UX	OEMQL		35,890	30,500	23,400	35,890
80,000	R61VX	OEMQM		39,250	33,360	25,740	39,250
90,000	R61WX	OEMQN		42,620	36,220	28,080	42,620
100,000	R61XX	OEMQO		44,860	38,130	31,200	44,860

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Committed Information Rate (Cont'd)							
Per Packet Class of Service (PPCoS) Arrangement (Cont'd)							
Business Data CIR Package							
				Monthly Rates			
				EPP Monthly Rates			Term Extension MTM
CIR (Mbps)	USOC	USOC (BellSouth Only)	NRC Charge(1)	12 Months	24 Months	36, 48, and 60 Months	
2	R6E2X	OEMO2	$150	$740	$250	$240	$740
4	R6E4X	OEMO4		760	296	245	760
5	R6EAX	OEMO5		820	372	258	820
8	R6E8X	OEMO8		840	456	318	840
10	R6EBX	OEM1O		896	536	372	896
20	R6EDX	OEM2O		1,008	740	516	1,008
50	R6EHX	OEM5O		1,160	844	588	1,160
100	R6ELX	OEM1H		1,360	984	684	1,360
150	R6ENX	OEM1F		1,552	1,128	786	1,552
250	R6EQX	OEM2F		1,784	1,292	900	1,784
400	R6ESX	OEM4H		1,992	1,452	1,011	1,992
500	R6ETX	OEM5H		2,128	1,556	1,086	2,128
600	R6EUX	OEM6H		2,488	1,824	1,272	2,488
1,000	R6EZX	OEM1T		2,888	2,112	1,470	2,888
2,000	R61BX	OEM2T		4,728	3,936	2,736	4,728
2,500	R61CX	OEM25		5,664	4,720	3,282	5,664
4,000	R61FX	OEM4T		6,688	5,576	3,876	6,688
5,000	R61HX	OEM5T		7,872	6,560	4,560	7,872
7,500	R61NX	OEM75		10,328	8,612	5,988	10,328
9,500	R61RX	OEM95		12,296	10,252	7,128	12,296
10,000	R61SX	OEMTT		12,792	10,660	7,410	12,792
15,000	R612X	OEMQB		14,920	12,680	8,890	14,920
20,000	R613X	OEMQC		17,040	14,490	10,370	17,040
25,000	R614X	OEMQD		19,180	16,300	11,860	19,180
30,000	R615X	OEMQE		21,310	18,120	13,340	21,310
35,000	R616X	OEMQF		23,440	19,920	14,820	23,440
40,000	R617X	OEMQG		25,570	21,740	16,300	25,570
45,000	R618X	OEMQH		27,700	23,540	17,780	27,700
50,000	R619X	OEMQJ		29,830	25,360	19,270	29,830
60,000	R61TX	OEMQK		31,970	27,170	20,750	31,970
70,000	R61UX	OEMQL		34,100	28,980	22,230	34,100
80,000	R61VX	OEMQM		37,290	31,690	24,450	37,290
90,000	R61WX	OEMQN		40,490	34,410	26,680	40,490
100,000	R61XX	OEMQO		42,620	36,220	29,640	42,620

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

3.4.3 Broadband Speed Tier – Broadband Arrangement

Broadband Speed Tier	USOC	USOC (BellSouth Only)	NRC Charge(1)	Monthly Rates			
				EPP Monthly Rates			
				12 Months	24 Months	36, 48, and 60 Months	Term Extension MTM
(Broadband Only)							
3 Mbps Downstream – 1 Mbps Upstream	EYZB6	OEMB6	$150	$415	$140	$125	$440
6 Mbps Downstream – 1 Mbps Upstream	EYZB5	OEMB5		465	190	175	490
12 Mbps Downstream – 1.5 Mbps Upstream	EYZB4	OEMB4		685	360	325	710
18 Mbps Downstream – 1.5 Mbps Upstream	EYZB3	OEMB3		850	525	475	900
24 Mbps Downstream – 3 Mbps Upstream	EYZB2	OEMB2		985	660	600	1,035
45 Mbps Downstream – 6 Mbps Upstream	EYZB1	OEMB1		1,125	800	725	1,185
2 Mbps Downstream – 2 Mbps Upstream	EYZB8	OEMB8		575	250	225	600
4 Mbps Downstream – 4 Mbps Upstream	EYZB7	OEMB7		625	300	275	650

Broadband Speed Tier
Broadband Arrangement(2)

NRC = Nonrecurring Charge

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.
(2) Effective September 4, 2020, AT&T will no longer offer the Broadband Port Arrangement to new or existing customers. Refer to Part 3, Section 1, paragraph 1.6.

3.4.4 Class of Service and Committed Information Rate – ENNI Arrangement

Class of Service and Committed Information Rate						
ENNI Arrangement						
			Monthly Rates			
			EPP Monthly Rates			
CIR (Mbps)	**USOC**	**USOC (BellSouth Only)**	**12 Months**	**24 Months**	**36, 48, and 60 Months**	**Term Extension MTM**
Real Time Class of Service						
1,000	R6EZX	OEM1T	$4,032	$2,808	$1,914	$4,032
2,000	R61BX	OEM2T	5,694	4,840	3,300	5,694
2,500	R61CX	OEM25	6,834	5,808	3,960	6,834
4,000	R61FX	OEM4T	8,066	6,856	4,674	8,066
5,000	R61HX	OEM5T	9,487	8,064	5,496	9,487
7,500	R61NX	OEM75	12,462	10,592	7,218	12,462
9,500	R61RX	OEM95	14,834	12,608	8,592	14,834
10,000	R61SX	OEMTT	15,417	13,104	8,934	15,417
Interactive Class of Service						
1,000	R6EZX	OEM1T	$3,504	$2,624	$1,785	$3,504
2,000	R61BX	OEM2T	5,327	4,528	3,084	5,327
2,500	R61CX	OEM25	6,382	5,424	3,696	6,382
4,000	R61FX	OEM4T	7,539	6,408	4,368	7,539
5,000	R61HX	OEM5T	8,866	7,536	5,136	8,866
7,500	R61NX	OEM75	11,642	9,896	6,744	11,642
9,500	R61RX	OEM95	13,854	11,776	8,028	13,854
10,000	R61SX	OEMTT	14,410	12,248	8,346	14,410
Business Critical - High Class of Service						
1,000	R6EZX	OEM1T	$3,272	$2,400	$2,300	$3,272
2,000	R61BX	OEM2T	5,149	4,376	2,982	5,149
2,500	R61CX	OEM25	6,170	5,244	3,573	6,170
4,000	R61FX	OEM4T	7,290	6,196	4,224	7,290
5,000	R61HX	OEM5T	8,574	7,288	4,968	8,574
7,500	R61NX	OEM75	11,257	9,568	6,522	11,257
9,500	R61RX	OEM95	13,398	11,388	7,764	13,398
10,000	R61SX	OEMTT	13,934	11,844	8,073	13,934
Business Critical - Medium Class of Service						
1,000	R6EZX	OEM1T	$3,040	$2,272	$1,545	$3,040
2,000	R61BX	OEM2T	4,970	4,224	2,880	4,970
2,500	R61CX	OEM25	5,958	5,064	3,450	5,958
4,000	R61FX	OEM4T	7,040	5,984	4,080	7,040
5,000	R61HX	OEM5T	8,282	7,040	4,800	8,282
7,500	R61NX	OEM75	10,871	9,240	6,300	10,871
9,500	R61RX	OEM95	12,942	11,000	7,500	12,942
10,000	R61SX	OEMTT	13,459	11,440	7,800	13,459
Non-Critical – High Class of Service						
1,000	R6EZX	OEM1T	$2,888	$2,112	$1,470	$2,888
2,000	R61BX	OEM2T	4,728	3,936	2,736	4,728
2,500	R61CX	OEM25	5,664	4,720	3,282	5,664
4,000	R61FX	OEM4T	6,688	5,576	3,876	6,688
5,000	R61HX	OEM5T	7,872	6,560	4,560	7,872
7,500	R61NX	OEM75	10,328	8,612	5,988	10,328
9,500	R61RX	OEM95	12,296	10,252	7,128	12,296
10,000	R61SX	OEMTT	12,792	10,660	7,410	12,792

3.4.5 Optional Features

Optional Features									
				Monthly Rates					
				EPP Monthly Rates					Term Extension MTM
	USOC	USOC (BellSouth only)	NRC Charge(1)	12 Months	24 Months	36 Months	48 Months	60 Months	
Regenerator (Per Port)									
Port									
100 Mbps	EYQHX	OEMRM	$250	$3,250	$1,630	$1,090	$820	$650	$3,250
1 Gbps	EYQJX	OEMRG	250	3,250	1,630	1,090	820	650	3,250
10 Gbps	EYQKX	OEMRX	1,500	6,000	4,800	4,400	4,200	3,900	6,000
Alternate Serving Switch									
Mileage (in miles)									
0 – 10	1HHEK	OEMA1	$1,200	$970	$485	$325	$245	$195	$970
11 – 25	1HHEL	OEMA2		1,940	970	650	490	390	1,940
26 – 35	1HHEM	OEMA3		6,500	3,300	2,200	1,700	1,300	6,500
36 - 50	1HHEN	OEMA4		7,200	4,300	3,000	2,500	2,200	7,200
Diverse Access									
	EY7AD	OEMDA	$600	$750	$450	$250	$250	$250	$750
Advanced Access Failover (Per Port)									
Port									
1 Gbps	EY7AA	OEMAF	$1,200	$4,000	$2,500	$2,120	$2,120	$2,120	$4,000
10 Gbps	EY7AB	OEMAG	1,200	22,000	15,000	9,000	9,000	9,000	22,000

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Optional Features (Cont'd)									
				Monthly Rates					
				EPP Monthly Rates					Term Extension MTM
	USOC	USOC (BellSouth only)	NRC Charge(1)	12 Months	24 Months	36 Months	48 Months	60 Months	
Direct LEC Additional Mileage									
Mileage (in miles)									
2 through 20 Mbps									
0 – 10	1HHDO	OEMMO	$1,200	$1,520	$980	$750	$600	$500	$1,520
11 – 25	1HHDA	OEMD1		3,030	1,950	1,500	1,200	1,000	3,030
26 – 35	1HHDB	OEMD2		4,550	2,930	2,250	1,800	1,500	4,550
36 - 50	1HHDC	OEMD3		7,570	4,880	3,750	3,000	2,500	7,570
50 through 150 Mbps									
0 – 10	1HHDP	OEMMP	$1,200	$1,520	$980	$750	$600	$500	$1,520
11 – 25	1HHDD	OEMD4		3,030	1,950	1,500	1,200	1,000	3,030
26 – 35	1HHDE	OEMD5		4,550	2,930	2,250	1,800	1,500	4,550
36 - 50	1HHDF	OEMD6		7,570	4,880	3,750	3,000	2,500	7,570
250 through 1 Gbps									
0 – 10	1HHDQ	OEMMQ	$1,200	$1,520	$980	$750	$600	$500	$1,520
11 – 25	1HHDG	OEMD7		3,030	1,950	1,500	1,200	1,000	3,030
26 – 35	1HHDH	OEMD8		4,550	2,930	2,250	1,800	1,500	4,550
36 - 50	1HHDJ	OEMD9		7,570	4,880	3,750	3,000	2,500	7,570

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Optional Features (Cont'd)									
				Monthly Rates					
				EPP Monthly Rates					Term
Speed (Mbps)	USOC	USOC (BellSouth only)	NRC Charge(1)	12 Months	24 Months	36 Months	48 Months	60 Months	Extension MTM
ICO NNI Arrangement (ICO Trunking Arrangement)									
2	LYTOA	OEMCA	$300	$350	$290	$250	$235	$220	$350
4	LYTOB	OEMCB	345	400	330	285	268	250	400
5	LYTOC	OEMCC	400	450	370	315	293	270	450
8	LYTOD	OEMCD	460	510	420	360	335	310	510
10	LYTOE	OEMCE	525	590	490	420	390	360	590
20	LYTOF	OEMCF	600	700	580	504	467	430	700
50	LYTOG	OEMCG	700	880	730	630	585	540	880
100	LYTOH	OEMCH	800	1,170	970	840	780	720	1,170
150	LYTOJ	OEMCJ	925	1,740	1,450	1,260	1,170	1,080	1,740
200	LYTOO	OEMCK	1,200	2,000	1,660	1,440	1,335	1,230	2,000
250	LYTOK	OEMCL		2,250	1,870	1,620	1,500	1,380	2,250
300	LYTOP	OEMCM		2,840	2,360	2,048	1,896	1,744	2,840
400	LYTOQ	OEMCN		4,320	3,595	3,124	2,891	2,657	4,320
500	LYTOL	OEMCO		4,840	4,030	3,500	3,240	2,980	4,840
600	LYTOM	OEMCP		5,800	4,830	4,200	3,885	3,570	5,800
700	LYTOR	OEMCQ		5,840	5,000	4,420	4,110	3,800	5,840
800	LYTOS	OEMCR		6,000	5,140	4,540	4,220	3,900	6,000
900	LYTOT	OEMCS		6,160	5,270	4,660	4,330	4,000	6,160
1000	LYTON	OEMCT		6,600	5,500	4,830	4,465	4,100	6,600
ICO NNI Arrangement (ICO Trunking Arrangement) Additional Mileage									
Mileage (in miles)									
2 through 20 Mbps									
0 – 10	JZ49E	OEMCU	$0	$0	$0	$0			$0
11 – 25	JZXTE	OEMC1		260	200	170			260
26 – 35	JZXTH	OEMC4		420	320	270			420
36 - 50	JZXTL	OEMC7		630	480	410			630
50 through 200 Mbps									
0 – 10	JZ49E	OEMCU	$0	$0	$0	$0			$0
11 – 25	JZ49A	OEMC2		580	440	375			580
26 – 35	JZ49C	OEMC5		1,020	780	675			1,020
36 - 50	JZ49D	OEMC8		1,660	1,270	1,100			1,660
250 through 1 Gbps									
0 – 10	JZ49E	OEMCU	$0	$0	$0	$0			$0
11 – 25	JZ49B	OEMC3		2,250	1,730	1,500			2,250
26 – 35	JZXTK	OEMC6		2,630	2,020	1,750			2,630
36 - 50	JZXTO	OEMC9		2,990	2,300	2,000			2,990

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

Additional Rates and Charges				
Rate Element	**USOC**	**USOC (BellSouth Only)**	**Nonrecurring Charge(1)**	**Monthly Recurring Charge**
Per Port				
Additional MAC Addresses	M2CBX	OEMMC	$70.00	$5.00
Enhanced Multicast	EY7AE	OEMEM	0.00	140.00
Per Order				
Administrative Charge	ORCMX	ORCMX	51.00	NA

(1) AT&T waives NRCs for ASE ordered under an EPP as specified in paragraph 3.2.A.

4.1 Expedite Request Charge

4.1.1 AWM (T)

Expedite Charges are not applicable to this AWM.

4.1.2 ASE (T)

If a wholesale Customer requests an improved ASE 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. Customer may not send an Expedite Request before AT&T has established an original due date.

Expedite Request Charge		
States	USOC	Charge
AT&T Switched Ethernet		(D)
Interstate and Intrastate Access		
AL, AR, CA, FL, GA, IL, IN, KS, KY, LA, MI, MO, MS, NC, NV, OK, OH, SC, TN, TX, WI	NRFSW	$2,000.00

5.2 Cancellation Charges – ASE (T)

The following cancellation charges apply for Interstate and Intrastate Access ASE. (T)

Customer may cancel an order for the installation of ASE at any time prior to AT&T's notice that ASE is available for Customer's use. The Cancellation Date is the date AT&T receives written notice from Customer that the order is to be cancelled or the date AT&T cancels the order pursuant to Part 1, Section 3, paragraph 3.4.

When either Customer or AT&T cancels an order for a new ASE Port, 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 basis as shown in the table below.

Cancellation Charge		
Cancellation Date – Calendar Days after Receipt of Order	**USOC**	**Cancellation Charge (Per Port)**
0-30	**N/A**	**$0.00**
31-60	**NRFSE**	**$2,000.00**
61+	**NRFSF**	**$3,000.00**

When Cancellation Charges Do Not Apply

Cancellation Charges do not apply under the following circumstances:

- 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, etc.);
- If Customer cancelled an order because it does not agree to pay applicable Special Construction charges as described in Part 1, Section 7;
- If AT&T requests Customer to cancel and re-submit an order;
- If Customer cancels an order and, within 90 days after the cancellation date of that order, submits a new order for ASE 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; or
- If AT&T cancels an order as described in Part 1, Section 3, paragraph 3.4 (*AT&T's Discretionary Cancellation of Orders).*

8.1 Inside Wiring Availability

Customer may request that AT&T install Inside Wiring at the time of Service installation. Inside Wiring is a deregulated connection from AT&T's demarcation point to Customer Premises Equipment (CPE).

For ASE and AWM terms and conditions, refer to: (T)
https://cpr.att.com/pdf/publications/Inside_Wiring_Service_Guide_Attachment.pdf

8.2 Entrance Facility Construction Availability(1)

AT&T will provide Entrance Facility Construction (EFC) for eligible orders. EFC is a deregulated activity consisting of conduit, other support structures, or physical pathway necessary for the installation of Service from the property line of the site where the entrance facility is to be constructed to the minimum point of entry of the building where the Network Terminating Equipment (NTE) is located.

For terms and conditions, refer to:

AWM

- **https://cpr.att.com/pdf/service_publications/ADE_EFC_Attachment.pdf**

ASE (T)

- **https://cpr.att.com/pdf/service_publications/EFC_Attachment.pdf**

(1) Not available in CA Out of Territory or TX Out of Territory.

9.4 Federal Universal Service Fund (FUSF) and Other Charges, Taxes, and Fees

A FUSF percentage surcharge factor is assessed monthly on billed recurring interstate charges of End User Services. For applicable FUSF Charges, see https://www.fcc.gov/general/contribution-factor-quarterly-filings-universal-service-fund-usf-management-support.

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 Service AT&T provided, except to the extent Customer provides a valid exemption certificate prior to the delivery of Service.

Cost Assessment Charge

A Cost Assessment Charge (CAC) is assessed on a percentage basis against all billed revenue for business customers subscribing to the transport Services listed below. The CAC is established to recovery 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 AT&T's billing systems as being exempt from application of the FUSF. (D)

	Monthly % Rate	
AWM		
ASE		(T)
Alabama	7.00%	
Arkansas	5.47%	
California	7.00%	
Florida	7.00%	
Georgia	0.00%	
Illinois	4.70%	
Indiana	4.87%	
Kansas	7.00%	
Kentucky	0.00%	
Louisiana	0.00%	
Michigan	2.76%	
Mississippi	7.00%	
Missouri	7.00%	
Nevada	7.00%	
North Carolina	7.00%	
Ohio	0.00%	
Oklahoma	4.33%	
South Carolina	7.00%	
Tennessee	7.00%	
Texas	7.00%	
Wisconsin	7.00%	

11.2.2 AWM, Virtual Collocation

Description	USOC	MRC	NRC 1st	NRC Add'l
AL, FL, GA, KY, LA, MS, NC, SC, and TN				
2-fiber, per circuit	CNC2F	$6.71	$41.94	$30.50

11.2.3 ASE, Physical Collocation (T)

Description	USOC	MRC	NRC
AR, KS, MO, OK, and TX			
1 Gigabit Ethernet	OCLGX	$0.47	$114.11
10 Gigabit Ethernet	OCLHX	$0.47	$114.11
IL, IN, MI, OH, and WI			
1 Gigabit Ethernet	OCLGX	$0.45	$97.98
10 Gigabit Ethernet	OCLHX	$0.45	$97.98
CA			
1 Gigabit Ethernet	OCLGX	$0.48	$153.69
10 Gigabit Ethernet	OCLHX	$0.48	$153.69
NV			
1 Gigabit Ethernet	OCLGX	$0.47	$130.50
10 Gigabit Ethernet	OCLHX	$0.47	$130.50

Description	USOC	MRC	NRC 1st	NRC Add'l
AL, FL, GA, KY, LA, MS, NC, SC, and TN				
2-fiber, per circuit	PE1F2	$10.25	$200.00	$200.00

11.2.4 ASE, Virtual Collocation (T)

Description	USOC	MRC	NRC 1st	NRC Add'l
AL, FL, GA, KY, LA, MS, NC, SC, and TN				
2-fiber, per circuit	CNC2F	$6.71	$41.94	$30.50