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<input checked="" type="checkbox"/> CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED	109	Pages	AGREEMENT NUMBER	AMENDMENT NUMBER
			5-06-58-20 (DTS 06E1390)	8
			REGISTRATION NUMBER	

- This Agreement is entered into between the State Agency and Contractor named below:  
 STATE AGENCY'S NAME  
Office of the State Chief Information Officer (OCIO) (Formerly Department of Technology Services)  
 CONTRACTOR'S NAME  
SBC Global Services, Inc. dba AT&T Global Services
- The term of this Agreement is 1/30/2007 through 1/29/2012
- The maximum amount of this agreement after this amendment is: N/A
- The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein: This Amendment provides price reductions and enhancements to three sections in the CALNET 2 contract. They are; Central Office Exchange Basic Services, Multi Protocol Label Switching (MPLS) Services and DSL Virtual Private Network.

Pursuant to Section 28 Contract Modifications Under RFPDGS-2053, the following Amendments and changes are made to the following Sections and attachments:

**A. This amendment includes the following changes, Subject CALNET 2, MSA 1 (AT&T):**

**1. Central Office Exchange Basic Services to include:**

- Remove the higher pricing associated with Standard, Enhanced and Premium Packages for locations outside of the six major metropolitan areas.
  - Add unlimited toll within the U.S. to all Voice Dynamic Network Applications (DNA) feature packages.
  - Add VDNA Site Survivability Option (SSO), which provides continuity of service in the event of certain failures in
  - Customer's connectivity to the AT&T network.
- Replace Attachment 3 Section 6.1.2.5 (32-36 of 58).**

**Continued on the next page.**

This Agreement is effective November 1, 2009, or upon DGS approval, whichever is later. All other terms and conditions of the original agreement shall remain the same.

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.

<b>CONTRACTOR</b>		CALIFORNIA Department of General Services Use Only	
CONTRACTOR'S NAME (If other than an individual, state whether a corporation, partnership, etc.) <u>SBC Global Services, Inc. dba AT&amp;T Global Services</u>		DEPARTMENT OF GENERAL SERVICES PROCUREMENT DIVISION  <b>APPROVED</b> BY <u>[Signature]</u> DATE <u>11/19/09</u>	
BY (Authorized Signature) <u>[Signature]</u>	DATE SIGNED (Do not type) <u>10-08-09</u>		
PRINTED NAME AND TITLE OF PERSON SIGNING <u>Kathleen Bartlett - Customer Contract Specialist</u>			
ADDRESS <u>225 W. Randolph Street Chicago, IL 60606</u>			
AGENCY NAME <u>Office of the State Chief Information Officer (OCIO)</u>		DATE <u>11/12/09</u> <b>GENERAL SERVICES</b> <input type="checkbox"/> Exempt per: <b>LEGAL SERVICES</b>	
BY (Authorized Signature) <u>[Signature]</u>	DATE SIGNED (Do not type) <u>10-14-09</u>		
PRINTED NAME AND TITLE OF PERSON SIGNING <u>M. Driver, Chief, Administrative Services Branch</u>			
ADDRESS <u>P.O. Box 1810, MS Y18, Rancho Cordova, CA 95741-1810</u>			

# Continuation

## STD 213A Standard Agreement Amendment 5-06-58-20 (DTS 06E1390) 8

### 2. Multi Protocol Label Switching (MPLS) Services to include:

- Reduce Monthly Recurring Charges for most features under the following; AVPN MPLS Port and Access Service Bundle, AVPN MPLS Port Only, AVPN Diversity Options (Service and POP), AVPN Class of Service Options and AVPN Unilink from the current average 60% discount to 86% discount off list price.
- Add new port speeds for AVPN PORT Only options at 50% off list price for Non Recurring Charges and 86% off list price for Monthly Recurring Charges.
- Add AVPN Managed Router Options as follows; AVPN Managed Router (AT&T Owned), AVPN Managed Router (Customer Owned), AVPN Managed Internal CSU (AT&T Owned), AVPN MANAGED Internal CSU (Customer Owned), AT&T Owned and Managed External CSU, AVPN Managed (AT&T Owned) Additional Router Features and AVPN Managed (Customer Owned) Additional Router Features at an average of 68% off list price for Monthly Recurring Charges.

**Replace Attachment 3 Section 6.1.3.2.6 (1-7) with amended section (1-21).**

### 3. DSL Virtual Private Network to include:

- Expand Description of Service to include two types of DSL Access:  
Symmetric DSL (SDSL) Port Access Bundle (includes dedicated loop, port, connection and CPE) – does not require a POTS line.  
Asymmetric DSL (ADSL) Port Access Bundle (includes port and connection only) – requires a POTS line.
  - Monthly Recurring Charges for Symmetric DSL (SDSL) Port Speeds are provided at an average of 47% off list price.
  - Monthly Recurring Charges for new Asymmetric DSL (ADSL) features are provided at 78% off list price.
- Replace Attachment 3 Section 6.1.3.9 (10 Pages).**

### 4. Central Office Exchange Basic Services

- Remove the higher pricing associated with Standard, Enhanced and Premium packages (outside of six major metropolitan areas).
  - Add pricing for a new optional feature named "VDNA Site Survivability Option (SSO)."
- Replace Attachment 4 Section 6.1.2.5 (14-15) with amended section (14-15 of 25).**

### 5. Multi Protocol Label Switching (MPLS):

- Rearrange the layout of feature options consistent with the layout for Attachment 3 (Service Description).
  - Reduce Recurring Charge for some features under the following:
    - AVPN MPLS port and Access Service Bundle.
    - AVPN MPLS port Only.
    - AVPN Diversity Options (Service and POP).
    - AVPN Class of Service Options.
    - AVPN unilink.
  - Add port speeds for AVPN Port Only options.
  - Add AVPN Managed Router Options as follows.
    - AVPN Managed Router (AT&T Owned).
    - AVPN Managed Router (Customer Owned).
    - AVPN Managed Internal CSU (AT&T Owned).
    - AVPN Managed Internal CSU (Customer Owned).
    - AT&T Owned and Managed External CSU.
    - AVPN Managed (AT&T Owned) Additional Router Features.
    - AVPN Managed (Customer Owned) Additional Router Features.
- Replace Attachment 4 Section 6.1.3.2.6 (48 Pages).**

### 6. DSL Virtual Private Network:

- Reduce Recurring Charge for existing Symmetric DSL (SDSL) Port Speeds.
  - Add pricing for new Asymmetric DSL (ADSL) features.
  - Change the Identifier for NBFW – Connection Bandwidth 8MBPS I2 features
- Replace Attachment 4 Section 6.1.3.9. (13 Pages).**

### 7. Service Level Agreements (SLAs) to include:

- Add Time to Repair (TTR) – Minor AVPN Managed Router table.
- Add Site-to-Site Delivery – AVPN Managed Router table.

- Add Site-to-Site Jitter – AVPN Managed Router table.
- Add Site-to-Site Latency – AVPN Managed Router table.

Replace pages 6-776, 6-779 and 6-801 with 6-776 and 6-779 and 6-801. Add pages 6-810C thru 6-810D, 6-822A, 6-823A thru 6-823D.

**B. Signature authority for the DTS has changed to the Office of the State Chief Information Officer (OCIO) per the Governor's Reorganization Plan (GRP) effective May 10, 2009.**

## 6.1.3.2.6 Service Identifier: Multi Protocol Label Switching (MPLS) Services

### *Description of Service*

AT&T's MPLS service (AT&T VPN or AVPN) is a network-based IP VPN solution that is enabled by Multiprotocol Label Switching (MPLS) technology. AT&T VPN service enables Customers to build an application aware virtual private network to link locations and efficiently transmit critical, delay-sensitive, and general data over a single connection using Multiprotocol Label Switching. Customers have the option of choosing the access method to AT&T VPN which best meets their requirements. ATM, Dedicated Private Line and Frame Relay may all be used to connect to an MPLS port. DSL and Ethernet (where available) may also be used.

AT&T's VPN service integrates Ethernet and Frame Relay/ATM traffic over a single shared infrastructure to allow service providers to offer new Ethernet services and support Frame Relay/ATM services at the same time.

MPLS complies with industry definitions and standards as set by the IETF and provides the following features:

- Remote VPN Tunneling—The AT&T Network Based IP VPN Remote Access (ANIRA) introduces a standard set of capabilities to access data and IP network-based VPNs. Customers using ANIRA can connect to these private networks using any of the ANIRA options described below.
- Access to Internet Providers—AVPN offers two key features to facilitate secure VPN access to the public Internet. The network-based firewall provides comprehensive firewall functionality and services within the network, providing a secure gateway between the VPN and the Internet. The AVPN unilink feature delivers a separate connection for Internet access over the same physical link as the AVPN port. A fuller description of both features appears below.
- VPN Management—The AT&T BusinessDirect Map tool provides extensive VPN management capabilities end users. See below for more information.
- Non-IP Traffic—As a standards-based MPLS network, AVPN supports IP tunneling to support non-IP traffic.
- Encryption—Encryption is typically used when accessing the VPN from a source outside of the VPN, typically the Internet. The AT&T Network Based IP VPN Remote Access (ANIRA) fully supports standards-based encryption for remote access. A full description for ANIRA appears below. When encryption is required between users of the VPN, CPE-based IPsec compatible with AVPN, and the required CPE is available as an unsolicited feature.
- Authentication—Authentication is typically used when accessing the VPN from a source outside of the VPN, typically the Internet. The AT&T Network Based IP VPN Remote Access (ANIRA) fully supports standards-based authentication for remote access. A full description for ANIRA appears below.

- Firewall Features—The network-based firewall provides comprehensive firewall functionality and services within the network, providing a secure gateway between the VPN and outside sources, typically the Internet. Also, firewall features are integral to both the software and CPE clients for ANIRA.
- Managed Router and CSU features-AT&T VPN Service further allows customers to combine Managed Router / CSU and Transport sites enabling them to select the service option that best meets their needs on a site-by-site basis.

### **MPLS Service and Features**

<b>Feature Name</b>	<b>Identifier</b>	<b>Feature Description</b>
<b>AVPN Port and Access Service Bundle</b>		AVPN port and access using frame relay, ATM, or IP (PPP) protocol. Port is rate limited to selected port bandwidth. See service elements below.
AVPN DS0 Port and Access	17972	AVPN MPLS 56 Kbps frame relay port. Includes DS0 access circuit.
AVPN DS1 Port and Access	Varies by speed – see Attachment 4	AVPN MPLS Frame Relay or IP Port. Speeds from 64 Kbps to 1.544 Mbps. ATM port at 1.544 Mbps. Includes DS1 access circuit.
AVPN NxDS1 Port and Access	Varies by speed – see Attachment 4	ATM IMA port using multiple DS1 access; AVPN MPLS ATM IMA Port. Speeds from 3.088 Mbps to 12.352 Mbps. Includes DS1 access circuits.
AVPN DS3 Port and Access	Varies by speed – see Attachment 4	Frame Relay, ATM, or IP port using DS3 access; AVPN MPLS frame relay, ATM, or IP Port. Speeds from 5 Mbps to 45 Mbps. Includes DS3 access circuit.
<b>AVPN Port Only</b>		AVPN port only using frame relay, ATM, or IP (PPP) protocol. Port is rate limited to selected port bandwidth. See separate Port Speed Availability Table below.
AVPN Port Only - 128 Kbps to 45 Mbps	Varies by speed – See Attachment 4	Port only – speeds from 128 Kbps to 45 Mbps. Requires DS1 or DS3 access circuit(s).
AVPN OC-3 Port Only	Varies by speed – See Attachment 4	ATM, or IP port using OC-3c access; AVPN MPLS ATM, or IP Port. Speeds from 50 Mbps to 155 Mbps. Requires OC-3c access circuit.
AVPN OC-12 Port Only	Varies by speed – See Attachment 4	IP port using OC-12c access. AVPN MPLS IP Port. Speeds from 200 Mbps to 622 Mbps. Requires OC-12c access circuit.
AVPN Gigabit Ethernet Port Only	Varies by speed – See Attachment 4	IP port using Gigabit Ethernet access; AVPN MPLS IP Port. Speeds from 1 Mbps to 1000 Mbps. Requires gigabit Ethernet access circuit.
AVPN VLAN	AVVL*	VLAN definition on Ethernet access port;

Feature Name	Identifier	Feature Description
		AVPN Virtual LAN (VLAN) defines separate LANs on a single Ethernet port. VLAN speeds available from 1 Mbps to 1000 Mbps. Requires Unilink feature

**Port Speeds Availability by Protocol:**

Speed	Identifier	IP (PPP)	Frame	ATM	Ethernet
56 Kbps	17972	-	X	-	-
128 Kbps	17973	X	X	-	-
256 Kbps	17976	X	X	-	-
384 Kbps	17978	X	X	-	-
512 Kbps	17980	X	X	-	-
640 Kbps	17982	X	X	-	-
768 Kbps	17984	X	X	-	-
1 Mbps	19616	-	-	-	X
1024 Kbps	17985	X	X	-	-
1.544 Mbps	17986	X	X	X	-
2 Mbps	19617	-	-	-	X
3 Mbps	19618	-	-	-	X
3.088 Mbps	17990	X	-	X	-
4 Mbps	19619	-	-	-	X
4.632 Mbps	17992	X	-	X	-
5 Mbps	17995	X	X	X	X
6 Mbps	19620	-	-	-	X
6.176 Mbps	17994	X	-	X	-
7 Mbps	19621	-	-	-	X
7.720 Mbps	17996	X	-	X	-
8 Mbps	19622	-	-	-	X
9 Mbps	19623	-	-	-	X
9.264 Mbps	17998	X	-	X	-
10 Mbps	17999	X	X	X	X
12.352 Mbps	18003	X	-	X	-
15 Mbps	18005	X	X	X	-
20 Mbps	18007	X	X	X	X
25 Mbps	18008	X	X	X	-
30 Mbps	18009	X	X	X	X
40 Mbps	19624	-	-	-	X
45 Mbps	18013	X	X	X	-
50 Mbps	18010	X	-	X	X
60 Mbps	19625	-	-	-	X
70 Mbps	19626	-	-	-	X
75 Mbps	18011	X	-	X	-
80 Mbps	19627	-	-	-	X
90 Mbps	19628	-	-	-	X

Speed	Identifier	IP (PPP)	Frame	ATM	Ethernet
100 Mbps	18014	X	-	X	X
150 Mbps	19629	-	-	-	X
155 Mbps	18015	X	-	X	-
200 Mbps	18016	X	-	-	X
300 Mbps	18017	X	-	-	X
400 Mbps	18018	X	-	-	X
500 Mbps	18019	-	-	-	X
600 Mbps	18020	-	-	-	X
622 Mbps	18021	X	-	-	-
700 Mbps	18022	-	-	-	X
800 Mbps	18023	-	-	-	X
900 Mbps	18024	-	-	-	X
1000 Mbps	18025	-	-	-	X

### AT&T VPN Diversity Options

The AT&T VPN Diversity Options help protect Customer's network in the event of a failure of an AT&T switch or router at an AT&T POP. Customer may designate one or more AT&T VPN Diversity Options. AT&T VPN Diversity Options are available only for Frame Relay MPLS Ports, ATM MPLS Ports, and IP MPLS Ports.

For Frame Relay MPLS Ports and ATM MPLS Ports, each Diversity Option includes up to three mutually exclusive groups of MPLS Ports. The total number of MPLS Ports in each Diversity Option may not exceed 1,000.

For IP MPLS Ports, each Diversity Option may include up to six mutually exclusive groups of MPLS Ports. The total number of MPLS Ports in each Group may not exceed one.

Changing the assignment of an MPLS Port from one AT&T VPN Diversity Option to another is considered a disconnection of the existing Diversity Option MPLS Port assignment and a new assignment of the MPLS Port to the new AT&T VPN Diversity Option arrangement.

For Ports located in the US, AT&T VPN Diversity Options are not available for MPLS DSL Access Connections or MPLS Ethernet Ports

- **AT&T VPN Service Diversity Option**

In the Service Diversity Option, AT&T will provision each group of MPLS Ports to a different group of AT&T switches or routers at the same AT&T POP. An MPLS Port may not be included in more than one Service Diversity Option.

- **AT&T VPN POP Diversity Option**

In the POP Diversity Option, AT&T will provision each group of MPLS Ports to switches or routers at a different AT&T POPs or group of AT&T POPs. An MPLS Port may not be included in more than one POP Diversity Option.

Feature Name	Identifier	Feature Description
AVPN Service Diversity	18032-18075	Frame Relay or ATM Port Diversity within the same MPLS POP; AVPN MPLS frame relay or ATM service diversity within the same MPLS POP. Access speeds from DS0 to OC-3 at corresponding port speeds.
AVPN POP Diversity	18093-18136	Frame Relay or ATM MPLS POP Diversity; AVPN MPLS frame relay or ATM POP diversity. Access speeds from DS0 to OC-3 at corresponding port speeds.

#### AVPN Layer 2 PVCs

Feature Name	Identifier	Feature Description
AVPN Layer 2 PVCs	18152-18189	Layer 2 PVC between two frame relay or ATM MPLS ports. PVC speeds from 4 Kbps to 40 Mbps.

#### AVPN Class of Service (CoS)

The 6 Class of Service (CoS) feature enables Customer to classify traffic among six classes:

- CoS 1: Designed for jitter and latency sensitive applications.
- CoS 2V: Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use.
- CoS 2: Designed to carry high priority business applications.
- CoS 3: Designed to carry medium priority business applications.
- CoS 4: Designed to carry low priority business applications.
- CoS 5: Designed to carry low priority background business applications.

Each CoS has a specific amount of bandwidth allocation. If any class does not use its entire bandwidth allocation, data packets from other classes can share the unused bandwidth. To implement the 6 CoS feature, Customer may select one of four CoS Packages at the MPLS Port level, each of which supports a specified number of Classes of Service. Once the CoS

Package is selected, Customer then selects a CoS Profile from the Profiles Available for that CoS Package, which may be done at the Logical Channel level if Customer has multiple Logical Channels on the MPLS Port. The CoS Profile defines the bandwidth allocation for each CoS, as indicated in the 6 CoS Profile Bandwidth Allocation Table.

The 6 CoS feature is available on IP MPLS Ports, subject to the following limitation: Multimedia High and Multimedia Low packages are not available on IP MPLS port speeds of 64k, 128k, 192k, 256k, 320k, 384k, 448k, 512k, 576k, 640k, 704k.

The 6 CoS feature is available on MPLS DSL Access Connections, MPLS ADSL Line Shared Connections, and MPLS DSL Ports, subject to the following limitation: Customer traffic will be routed in the AT&T Network consistent with the CoS markings applied by Customer at the CPE router; however, Customer traffic may not be routed consistent with COS traffic prioritization over the MPLS DSL Access Connection or MPLS ADSL Line Shared Connection, as applicable, between the DSL provider and the MPLS Port. Due to this limitation, there is no charge for the 6 CoS feature on these ports/connections.

Feature Name	Identifier	Feature Description
AVPN CoS Package Multi-Media High	18193-18246	Class of Service (CoS) package for heavy multimedia traffic; Seven profiles, 60-90% real time, and speeds from 56 Kbps to 622 Mbps. Supports CoS 1, 2V, 2, 3, 4, 5, and No CoS.
AVPN CoS Package Multi-Media Standard	18251-18304	Class of Service (CoS) package for moderate multimedia traffic; Ten profiles, 10-50% real time, and speeds from 56 Kbps to 622 Mbps. Supports CoS 1, 2V, 2, 3, 4, 5, and No CoS.
AVPN CoS Package Critical Data	18309-18362	Class of Service (CoS) package for high-priority business data traffic; Four profiles, 0-30% best effort, speeds from 56 Kbps to 622 Mbps. Supports CoS 2, 3, 4, 5, and No CoS.
AVPN CoS Package Business Data	18367-18416	Class of Service (CoS) package for normal business data traffic; Four profiles, 0-30% Best Effort, speeds from 56 Kbps to 622 Mbps. Supports CoS 3, 4, and No CoS.

**AVPN Unilink**

Feature Name	Identifier	Feature Description
AVPN Unilink	18428-18477	Multiple logical connections on AVPN port; Allows multiple logical connections on AVPN port. Speeds from 56 Kbps to 622 Mbps.

## AVPN Managed Router Features and Options

Under the AT&T VPN Managed Router feature, AT&T provides, configures, monitors, manages and maintains the AT&T-provided Equipment located at the Customer Site. The Equipment may consist of a router and other Equipment, as applicable, e.g. an asynchronous modem used to diagnose and manage the router.

The management demarcation point for AT&T VPN is the LAN interface card on the router at the Customer Site. *Note: The customer must provide a non-PBX dial up line for each managed router.*

Logical configurations or other router management commands employed by AT&T with Managed Router Equipment, whether AT&T or Customer-owned Equipment, are the sole and exclusive property of AT&T. Logical configurations and other router commands are confidential AT&T Information. Upon termination of Service or disconnection or termination of a Site, Customer shall have no right to use, or ownership interest in, the logical configurations or other router management commands present or loaded on Equipment. Upon termination of Service or disconnection or termination of a Site, Customer shall ensure that Equipment is returned or made available to AT&T to allow removal of all AT&T confidential Information, including logical configurations and router management commands

### AVPN Managed Router Features:

- Managed Router
  - AT&T-owned, AT&T-managed Routers
  - Customer-owned, AT&T-managed Routers
- Class of Service (CoS1-CoS4)
- Resiliency (Backup, Redundancy, and Load Sharing) options (10 options, including ISDN backup) for Frame/ATM ports:
  - **Resiliency Level 1**
    - Single Customer Site CPE (CE), Single Access line, back up via ISDN
    - Single CE, Dual Access lines, Primary/Backup
    - Single CE, Dual Access lines, Primary/Backup, ISDN
    - Single CE Dual Access lines, Load Sharing
    - Single CE Dual Access lines, Load Sharing, ISDN
    - Dual CE, Single Access line, ISDN
  - **Resiliency Level 2**
    - Dual CE, Dual Access, Primary/Backup
    - Dual CE, Dual Access, Primary/Backup, ISDN
    - Dual CE, Dual Access, Load Sharing
    - Dual CE, Dual Access, Load Sharing, ISDN
- Unilink (multiple VPN) support
- Port Diversity options: POP & Service
- Hybrid networks (a combination of Transport and Managed sites)

- Hub and Spoke VPNs
- Managed Reports
- Managed SLAs
  - Network SLAs (latency, delay, jitter)
  - On-time Provisioning, Availability/TTR, and Site-to-Site performance SLAs (delay, latency, and jitter)

## **Router Selection**

Engineering rules drive default router selection, based on the port size and features selected by the customer; Router configuration will default to the smallest serviceable device for the site; however, default router selection can be overridden by the customer. In addition to port size, engineering rules factor in features such class of service. For example, a different router could be selected based on the real-time requirements: a small router would be selected for no real-time traffic, a medium router would be selected for a Multimedia Standard COS package, and a large router would be selected for a Multimedia High COS package.

## **Diagnostics and Life Cycle Maintenance**

AT&T performs life-cycle maintenance and diagnostic monitoring. AT&T's support includes:

- Proactive 7-days-per-week, 24-hours-per-day (7 x 24) diagnostic monitoring of Service Components provided;
- Help desk support;
- Coordination, as appropriate, with the local carrier or the hardware or software vendor in the event of a disruption or a degradation of service performance or in connection with AT&T's ongoing capacity management;
- Router maintenance hardware replacement as needed in the event of service disruption or degradation.
- Ongoing proactive software maintenance updates to AT&T-provided CPE in accordance with AT&T's maintenance schedule; and
- Problem management, including logging, tracking and escalating reported problems based on severity levels, as well as dispatch of and problem diagnosis by local carrier or hardware maintenance personnel.

## **Basic InsideWiring Extension for US Sites**

At new Customer Sites in the contiguous 48 United States, AT&T will install up to 300 feet of industry standard 2-Pair, 24-gauge shielded cable connecting the interface point where the local access provider terminates the access circuit in a modular jack at the Site to the AT&T-managed router at the Site for fractional T1, T1, and NxT1 MPLS Ports ("Inside Wire").

AT&T will arrange for the provision of all cable, jacks and necessary tools to perform the necessary work activities for Inside Wire Service. AT&T will terminate both ends of

the installed cable in AT&T-provided RJxx jacks and label the jacks. AT&T will also test the continuity of AT&T-installed cable by testing the AT&T-installed cable for opens, shorts, reversals, miswires and split pairs.

All Inside Wire Service will be performed between the hours of 8:00 a.m. and 5:00 p.m. local time, Monday through Friday, excluding holidays ("Business Hours").

Inside Wire is only available at Customer Sites where there is a Standard Wiring Environment. Standard Wiring Environment means AT&T is able to: (a) install all necessary cable at the Site on a single floor through, and attach to, the support structure of a suspended ceiling that does not exceed a height of ten (10) feet; (b) pull all necessary cable through the interior portion of a wall that does not require holes drilled in order to pull through the cables or through empty (or pull string equipped) conduit existing at the Site; (c) utilize one technician for no more than two hours per cable run of 300 feet or less, (d) use existing conduits that are free and clear with pull strings, adequate pull boxes, and sufficient capacity for installations and are owned by the Customer, and (e) utilize sufficient space in the Customer's computer room, telephone closet, equipment room, or electrical room to install cables. A Standard Wiring Environment does not require (a) the assistance of union workers, (b) core drilling, fire-stopping, installation of surface raceway or conduit, or use of special equipment (e.g. scissors lift, extension ladder, hammer drill, concrete saw, jackhammer, mechanical lifts or scaffolding) (c) cable runs that exceed three hundred (300) feet from the local access demarcation point, (d) removal and/or replacement of interlocking ceiling tiles, (e) wire mold or power/communication poles, (f) coring, conduit placement, penetration of firewall, sleeve placement, installing or painting of backboards, or (g) any work to be performed in any area that has been certified or suspected as being asbestos hazarded.

In conjunction with the Site survey, AT&T will inspect the location and determine if the Site qualifies as a Standard Wiring Environment. If the Site qualifies as a Standard Wiring Environment, then at Customer's request AT&T will provide Inside Wire.

Inside Wire is not available where the local access demarcation point is not inside the physical premises at the Site. Inside Wire is not available in connection with moves at existing Sites. AT&T will install inside wire only to connect the AT&T VPN router to the local access demarcation point. AT&T will not provide Inside Wire for demarcation extensions for other services or features of AT&T VPN, such as ISDN, analog lines, or extensions for DS3 and OCx connections.

### **AT&T-Owned/AT&T-Managed Option**

Under the AT&T-Owned/AT&T-Managed option, the Managed Router is owned by AT&T and made available to Customer for use as part of AT&T VPN Service.

Upon termination of the Service or de-installation of any Site, Customer shall make the AT&T CPE at such Site available for removal by AT&T or third party designated by AT&T and return it in the same condition as originally installed, ordinary wear or tear excepted, or Customer shall pay for restoration of the AT&T CPE to such condition.

Customer is solely responsible for the loss or destruction of AT&T-owned CPE. If AT&T CPE is lost or destroyed or not able to return AT&T-owned CPE, Customer shall be

responsible for paying a lost equipment charge equal to the residual value of the CPE lost or destroyed.

<b>Feature Name</b>	<b>Identifier</b>	<b>Feature Description</b>
AVPN Managed Router (AT&T Owned) – Basic	18495	Installation of a Basic size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 FE LAN ports and 1 WAN port. Supports 56kbps to 6xT1 WAN links.
AVPN Managed Router (AT&T Owned) – Small	18496	Installation of a Small size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 FE LAN ports and 1 WAN port. Supports 56kbps to 6xT1 WAN links.
AVPN Managed Router (AT&T Owned) – Medium	18497	Installation of a Medium size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 GE LAN ports and 1 WAN port. Supports 56kbps to 8xT1 or 1T3 WAN links.
AVPN Managed Router (AT&T Owned) – Large	18498	Installation of a Large size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 GE LAN ports and 1 WAN port. Supports 56kbps to 8xT1 or T3 WAN link.
AVPN Managed Router (AT&T Owned) – XLarge	18499	Installation of a XLarge size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 GE LAN ports and 1 WAN port. Supports 56kbps to 8xT1 or T3 WAN links.
AVPN Managed Router (AT&T Owned) – XLarge +	18500	Installation of a XLarge+ size route, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 3 GE LAN ports and 1 WAN port. Supports 56kbps to 8xT1, or T3 WAN links.
Lost Equipment Charge for AT&T Owned CPE	N/A	Upon termination of Service or de-installation at any site, if AT&T CPE is lost or destroyed, or Customer is not able to return AT&T-owned CPE, the Customer shall be responsible for paying a lost equipment charge equal to the residual value of the CPE lost or destroyed.

### **Customer-Owned/AT&T-Managed Option**

Under the Customer-owned/AT&T-Managed option, Customer purchases the Managed Router that is used as part of AT&T VPN Service. AT&T configures, monitors, manages and

maintains the AT&T-provided Equipment located at the Customer Site. Additional Customer Responsibilities apply to Customers who elect the Customer-Owned/AT&T-Managed Option.

The router will be ordered through as a “Customer Owned Router,” which will generate an Equipment Order List (EOL) that will be provided to the customer by the AVPN Deployment Manager (ADM). Customers will use this EOL to order the correct router configuration from AT&T Connectivity Services (ACS), Cisco, or a Cisco VAR. The Customer must order the equipment as shown – no variations or substitutions. The equipment will be shipped to the AT&T Staging Center. If the equipment is found to be incorrect upon arrival at the AT&T Staging Center, the order will be placed on hold and the equipment will be returned to the Customer at the Customer’s expense for correction.

For COR feature, customers are required to:

- Purchase a new Router. Refurbished or reused routers are not supported.
- Purchase and have delivered to AT&T only routers listed on the AT&T supplied Equipment Order List (EOL). Only the router manufacturer and type listed on the EOL are supported under the Customer-Owned Router Option. Customer is responsible for and shall bear all shipping costs (and bears any risk during shipment) associated with supplying AT&T with a customer-owned router.
- AT&T’s acceptance of the router delivered by Customer shall be at AT&T’s sole discretion and shall be based on compliance with the EOL listed requirements that (a) the router hardware/software configuration are consistent with the configuration on the EOL; and (b) the router passes an operational (power-up) test.
- Customer is solely responsible for remediation of any issues that result in a noncompliant router. Customer shall be responsible for communication of any requirements to the router manufacture to remediate noncompliant configurations or operational failures. Customer is solely responsible and shall bear all costs (including shipping, packaging, etc.) associated with router return or remediation and shall bear all risk of loss during shipment of returned or remediated routers.

Demarcation of customer-owned vs. AT&T-owned equipment is the router itself – anything inside the router is customer owned, equipment outside the router on the WAN side (cables, CAS, modem) is AT&T owned.

AT&T assumes responsibility for all hardware/software maintenance of router, once installed.

For the Customer-owned/AT&T-Managed option, the customer purchases the Managed Router that is used as part of AT&T VPN Service. Upon termination of the Service or de-installation of any Site, the customer must make the CPE at the site available to AT&T to allow for the removal of the confidential AT&T Information from the router configuration.

Feature Name	Identifier	Feature Description
AVPN Managed Router (Customer Owned) – Basic	18522	Installation of a Basic size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 FE LAN ports and 1 WAN port.

Feature Name	Identifier	Feature Description
		Supports 56kbps to 6xT1 WAN links.
AVPN Managed Router (Customer Owned) – Small	18523	Installation of a Small size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 FE LAN ports and 1 WAN port. Supports 56kbps to 6xT1 WAN links.
AVPN Managed Router (Customer Owned) – Medium	18524	Installation of a Medium size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 GE LAN ports and 1 WAN port. 56kbps to 8xT1 or T3 WAN links.
AVPN Managed Router (Customer Owned) – Large	18525	Installation of a Large size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 GE LAN ports and 1 WAN port. Supports 56kbps to 8xT1 or T3 WAN link.
AVPN Managed Router (Customer Owned) – XLarge	18526	Installation of a XLarge size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 2 GE LAN ports and 1 WAN port. Supports 56kbps to 8xT1 or T3 WAN links.
AVPN Managed Router (Customer Owned) – XLarge +	18527	Installation of a XLarge+ size router, including basic inside wiring. Includes configuration, life-cycle maintenance and diagnostic monitoring. Base router with 3 GE LAN ports and 1 WAN port. Supports 56kbps to 8xT1, or T3 WAN links.

### Internal and External CSU Options

The CSU options will be determined by the AVPN port speed and type selected above.

- Internal CSUs may be AT&T Owned or Customer Owned.
- AT&T Owned and Managed Probes (External CSU) – may be used with AT&T Owned or Customer Owned Managed Router.
- External CSU is required for AVPN Managed Enhanced Reports

Feature Name	Identifier	Feature Description
<b>AVPN Managed Internal CSU (AT&amp;T Owned):</b>		
AVPN Managed Internal CSU (AT&T Owned) – 56K	18487	Per serial port (56Kbps w/ CSU function) added & used on the router for either Frame Relay or Private Line connectivity.
AVPN Managed Internal CSU (AT&T Owned) – Internal T1	18488	Per serial port (<=T1 w/ CSU function) added & used on the router for either Frame Relay or Private Line connectivity.
AVPN Managed Internal CSU (AT&T	18489	Per T3 port added & used on the router for Frame Relay connectivity.

Feature Name	Identifier	Feature Description
Owned) –T3/E3 FR protocol		
AVPN Managed Internal CSU (AT&T Owned) – NXT1/NXE1 ATM protocol	19925	Per T1 port added & used on the router for IMA connectivity. One per IMA port.
AVPN Managed Internal CSU(AT&T Owned) – NXT1/NXE1 PPP	19926	Per T1 port added & used on the router for MLPPP connectivity. One per IMA port.
AVPN Managed Internal CSU(AT&T Owned) –T3/E3 ATM protocol	19927	Per T3 port added & used on the router for ATM connectivity.
AVPN Managed Internal CSU (AT&T Owned) – Internal T3/E3 PPP protocol	19928	Per T3 port added & used on the router for Private Line (PPP or Frame Encap) connectivity.
<b>AVPN Managed Internal CSU (Customer Owned):</b>		
AVPN Managed Internal CSU (Customer Owned) – 56K	21924	Per serial port (56Kbps w/ CSU function) added & used on the router for either Frame Relay or Private Line connectivity.
AVPN Managed Internal CSU (Customer Owned) – T1	21924	Per serial port (<=T1 w/ CSU function) added & used on the router for either Frame Relay or Private Line connectivity.
AVPN Managed Internal CSU (AT&T Owned) –T3/E3 FR protocol	21919	Per T3 port added & used on the router for Frame Relay connectivity.
AVPN Managed Internal CSU (AT&T Owned) – NXT1/NXE1 ATM protocol	21918	Per T1 port added & used on the router for IMA connectivity. One per IMA port.
<b>AT&amp;T Owned and Managed External CSU:</b>		
AT&T Owned and Managed External CSU 56K	19932	External CSU per 56K port. Required for Enhanced Reporting.
AVPN Managed External CSU T1/E1	19933	External CSU per T1 port. Required for Enhanced Reporting.
AVPN Managed External CSU	19935	External CSU per T1 port for IMA connectivity. Required for Enhanced Reporting.

Feature Name	Identifier	Feature Description
NXT1/E1 PPP		
AVPN Managed External CSU T3/E3 FR	19937	External CSU per T3 FR port. Required for Enhanced Reporting.
AVPN Managed External CSU T3/E3 ATM	19936	External CSU per T3 ATM port. Required for Enhanced Reporting.
AVPN Managed External CSU T3/E3 PPP	19938	External CSU per T3 PPP port. Required for Enhanced Reporting.
<b>Reports:</b>		
AVPN Managed Enhanced Reports	19947	Enhanced network performance reporting. Requires external CSU.

#### Additional Router Features:

Options below may be added to the AT&T Owned Router or Customer Owned router depending on the selection of WAN port speed, COS, resiliency, protocol, and LAN port quantities.

Feature Name	Identifier	Feature Description
<b>AVPN Managed (AT&amp;T Owned) Additional Router Features:</b>		
AVPN Managed (AT&T Owned) Router - Additional Protocol Support	18502	SNA or IPX - Includes cost for additional IOS feature set required. In some cases additional router memory may be required in order to hold the IOS and allow the router to function. These additional memory costs are NOT covered under this charge, but will be charged under the Additional Memory feature
AVPN Managed (AT&T Owned) Router - Additional Serial Port	18517	Per serial port added & used on the router
AVPN Managed (AT&T Owned) Router - Additional LAN Port	18518	Per card added & used Token Ring, ethernet or Fast ethernet port in use on the router
AVPN Managed (AT&T Owned) Router - Additional Memory up to XL	18516	All available memory above the defaults are available at additional monthly recurring charge
AVPN Managed (AT&T Owned) Router- ISDN	19728	Per BRI port in use on the router

- Single Managed Router connected to dual MPLS Ports configured in a Primary/Backup arrangement. Network traffic is automatically re-routed from the Primary MPLS Port to the Backup MPLS Port if there is a network failure related to the Primary MPLS Port.
- Single Managed Router connected to dual MPLS Ports configured in a Primary/Backup arrangement, with an additional ISDN backup connection. Network traffic is automatically re-routed from the Primary MPLS Port to the Backup MPLS Port if there is a network failure related to the Primary MPLS Port. Network traffic is automatically re-routed from the Backup MPLS Port to the ISDN backup connection if there is a network failure related to the Backup MPLS Port.
- Single Managed Router connected to dual MPLS Ports configured in a Load Sharing arrangement. Network traffic is distributed between the MPLS Ports based on customer-defined traffic distribution criteria. If there is a network failure related to one of the MPLS Ports, all network traffic is automatically re-routed over the active MPLS Port.
- Single Managed Router connected to dual MPLS Ports configured in a Load Sharing arrangement, with an ISDN connection available for backup. Network traffic is distributed between the MPLS Ports based on customer-defined traffic distribution criteria. If there is a network failure related to one of the MPLS Ports, all network traffic is automatically re-routed over the active MPLS Port. If there is a network failure related to both MPLS Ports, the network traffic is automatically re-routed to the ISDN Backup connection.
- Dual Managed Routers, with one Managed Router connected to an MPLS Port and the other Managed Router connected using ISDN for backup. If there is a network failure related to the Managed Router connected to the MPLS Port, the network traffic is automatically re-routed to the ISDN Backup connection.
- Dual Managed Routers connected to dual MPLS Ports configured in a Primary/Backup arrangement. Network traffic is automatically re-routed from the Primary MPLS Port to the Backup MPLS Port if there is a network failure related to the Primary MPLS Port.
- Dual Managed Routers connected to dual MPLS Ports configured in a Primary/Backup arrangement, with an ISDN connection available for backup. Network traffic is automatically re-routed from the Primary MPLS Port to the Backup MPLS Port if there is a network failure related to the Primary MPLS Port. Network traffic is automatically re-routed from the Backup MPLS Port to the ISDN backup connection if there is a network failure related to the Backup MPLS Port.
- Dual Managed Routers connected to dual MPLS Ports configured in a Load Sharing arrangement. Network traffic is distributed between the MPLS Ports based on customer-defined traffic distribution criteria. If there is a network failure related to one of the MPLS Ports, all network traffic is automatically re-routed over the active MPLS Port.

- Dual Managed Routers connected to dual MPLS Ports configured in a Load Sharing arrangement, with an ISDN connection available for backup. Network traffic is distributed between the MPLS Ports based on Customer-defined traffic distribution criteria. If there is a network failure related to one of the MPLS Ports, all network traffic is automatically re-routed over the active MPLS Port. If there is a network failure related to both MPLS Ports, the network traffic is automatically re-routed to the ISDN Backup connection.

Where ISDN back up is required, Customer must order the ISDN service directly from an ISDN service provider. Customer is responsible for the ISDN charges, including connection and usage charges. AT&T will separately provide and will charge Customer for the management of the ISDN connection and additional charges apply for the equipment associated with the ISDN connection.

### **AT&T Network Based IP VPN Remote Access (ANIRA)**

The AT&T Network Based IP VPN Remote Access (ANIRA) introduces a standard set of capabilities to access AVPN. This service will provide remote access/SOHO capabilities to AVPN. Customers using ANIRA can connect to a private VPN via any of the following options as 'access':

- AT&T Dial (analog or ISDN)
- Extended access analog or Wi-Fi
- AT&T DSL
- AT&T Internet Service
- Third-party access (i.e., access circuit is not ordered or managed by AT&T) broadband or ISP.

ANIRA is a global feature, integrated with global egress services.

Following is a summary of the key ANIRA features:

- IP service
- Single user (AT&T or third-party software client) and multi-user access (select SOHO VPN devices, including NetGates and Cisco)
- Access via AT&T Dial, DSL, or other Internet access
- Integration with the following egress services: frame relay, ATM, IPFR and EVPN
- AT&T and customer-managed authentication (e.g., SecureID, RADIUS, SafeWord)
- Dual access (access to the network-based VPN and Internet)
- Support for registered and unregistered IP addresses
- IPsec and L2TP support for dial users
- No requirement for specialized CPE at the customer premises
- Usage-based and fixed rate price plans for dial users
- Global service

ANIRA supports IPsec tunnels from a VPN device (e.g., AT&T Global Network Client, or SOHO device like NetGate or Cisco 831) to the virtual interface gateway (VIG) in the network. The VIG would then terminate the IPsec tunnel and map the traffic to the appropriate data or IP VPN egress (MPLS or frame-based VPN). For dial analog or ISDN

access, packets travel through the dial network by tunneling in L2TP or IPSec with the destination of the packets to a VIG, which is transparent to the customer.

The local interface gateway (LIG) provides the following network functionality:

- Dynamically assigns the user an IP address for the current session only.
- The AT&T Global Network client or the customer's logon script updates the end user's TCP/IP software configuration with the dynamically assigned IP address.
- Checks the source address of every packet to ensure it is unchanged; if a change is detected, the LIG discards the packet.
- It then checks the destination address of every packet to verify the user ID's authorization to that destination address. If authorized, the LIG allows the packet to pass. If not, the LIG discards the packet.
- The LIG checks the source address of all packets bound for the dial user. If the source address is in the user's access list, the LIG delivers the packet. If not, the LIG discards the packet.

### **ANIRA Service and Features**

<b>Feature Name</b>	<b>Identifier</b>	<b>Feature Description</b>
ANIRA -IPSec Hourly Analog	6971	Local analog secure dial access to AVPN via the AT&T network, per hour of usage.
ANIRA - IPSec Hourly ISDN	6982	Local ISDN secure dial access to AVPN via the AT&T network, per hour of usage. Charge for each B-channel used.
ANIRA - IPSec Toll-Free	6994	Secure dial-up access, hourly surcharge for toll-free access when local dial is not available.
ANIRA - IPSec Monthly Analog	17563	Local analog secure dial access to AVPN via the AT&T network, per month. Up to 150 hours per month.
ANIRA IPSec - Monthly Excess	17564	Local analog secure dial access to AVPN via the AT&T network. Hourly charge for more than 150 hours.
ANIRA – Third Party Access	16940	Monthly management fee for remote access users with third-party Internet access.
ANIRA – Bandwidth Connection Charge (Type II)	17573-17604	Connection to support aggregate bandwidth between gateway (VIG) and VPN. Available in various speeds (see Attachment 4); Monthly charge for redundant virtual connection from gateway to VPN. Sized for aggregate peak usage of fixed and dial-up connections per VPN.
ANIRA - Managed Broadband Multi-User Service	17644-17650	Secure access for multi-user sites using AT&T DSL with AT&T Netgate and the AT&T Global Network Client. Available in various speeds (see exhibit 7); The feature provides business customers with a broadband solution from a remote access SOHO

Feature Name	Identifier	Feature Description
		multi-user LAN to corporate LANs, intranets, and extranet(s), over AT&T DSL service and the AT&T SOHO VPN device using IPsec.
ANIRA -Managed Broadband Single User Service (ADSL and IDSL)	17650a	Secure access for single-user sites using AT&T DSL with AT&T Global Network Client. Available in various speeds (see exhibit 7); The feature provides business customers with a broadband solution from a remote access single-user to corporate LANs, intranets, and extranet(s), over AT&T DSL service and the AT&T Global network client.
Managed Broadband Multi-User VPN Device	17643	Secure access device for multi-user sites using AT&T DSL or 3rd party access; ANIRA users who require broadband access will use one of these devices: AT&T NetGate 4100, AT&T NetGate 7100, or Cisco 831/836/837.
ANIRA - Extended Access and Wi-Fi/Wired Ethernet	15172	Secure Wi-Fi access using AT&T Global Network Client.; Wi-Fi support is added as a feature extension to ANIRA which has the following features: provides the ability to roam across multiple Wi-Fi networks with a consistent user login experience using the AT&T Global Network (AGN) Client and one set of login credentials for dial, broadband and Wi-Fi
ANIRA – Wi-Fi Access	17164	Secure Wi-Fi access using AT&T Global Network Client; Wi-Fi support is added as a feature extension to ANIRA which has the following features: provides the ability to roam across multiple Wi-Fi networks with a consistent user login experience using the AT&T Global Network (AGN) client and one set of login credentials for dial, broadband and Wi-Fi.

### **Network-Based Firewall (NBFW)**

AT&T's Network-Based Firewall (NBFW) Service requires no additional equipment on the customer's premises. There is no need to install customer premises firewalls and dedicated Internet connectivity at the customer locations. The network-based security devices reside in the AT&T Security Data Centers (SDC). AT&T owns all security assets and provides 24x7 monitoring and attack management for the firewall service.

Feature Name	Identifier	Feature Description
Failover	17928	This option allows the customer to have a single alternate SDC to receive "failover traffic." Includes one failover site only.
NBFW – Additional Firewall Rules	17930	This option allows the customer to choose extra firewall rules in addition to those provided at the service level. Customer can buy rules in blocks of five.
NBFW – Premium Time	17932	Premium Network Engineering or Security Consultant Time, in blocks of 8 hours, maximum 10 blocks.; The customer may request resource from AT&T to assist with issues related to their WAN operating with the AT&T MPLS network and the MSS-NB service. This option allows the customer to purchase Premium Network Engineering or security consultant telephone assistance in multiple blocks of eight hours.

***Customer Premises Equipment (CPE) and Services***

AT&T offers a variety of CPE and pre-implementation, implementation and post-implementation services for CPE in support of all WAN access services.

See Required CPE and Other Equipment for descriptions of additional equipment and services offered.

## 6.1.3.9 Service Identifier: DSL Virtual Private Network

### *Description of Service*

DSL access to AT&T's Virtual Private Network (AVPN) combines DSL access with a secure VPN network. The inherent security of the MPLS VPN meets the requirements for connecting multiple sites with DSL access.

Two types of DSL access:

- Symmetric DSL (SDSL) Port Access Bundle (includes dedicated loop, port, connection and CPE) - does not require a POTS line.

AVPN MPLS SDSL Access Connection includes an MPLS Port that allows a Customer Site to connect to the AT&T Network, bundled with a DSL access line between the MPLS Port and the Customer Site. AT&T also provides and installs an AT&T DSL modem (either a DSL DSU or a DSL Router) at the Customer Site, with default configuration settings, including basic inside wiring from the LEC minimum point of entry (not to exceed two hours of inside wiring work). AVPN MPLS SDSL Access Connections are available at speeds of 128K, 256K, 384K, 768K, 1M, 1.5M.

- Asymmetric DSL (ADSL) Port Access Bundle (includes port and connection only)

AVPN MPLS ADSL Line Shared Connection includes an MPLS Port that allows a Customer Site to connect to the AT&T Network, bundled with an Asymmetric DSL (ADSL) access line between the AT&T VPN MPLS Port and the Customer Site. ADSL access lines are provisioned over a Customer provided POTS line that is provided by the Local Exchange Carrier ("LEC"). ADSL will provide asymmetric bandwidth to the Customer Site up to the quoted speed. Customer eligibility for ADSL speeds may depend upon the distance the Customer Site is from the LEC provider central office. The Service demarcation point for AT&T VPN ADSL Line Shared Connections is the LEC minimum point of entry at the Customer Site. AVPN MPLS ADSL Line Shared Connections are available up to the following speeds (downstream/upstream): 384K/384K, 1.5M/384K, 3M/384K, 3M/768K and 6M/768K. The Unilink feature is not available on MPLS ADSL Line Shared Connections. An MPLS ADSL Line Shared Connection does not include an ADSL Router or the installation of an ADSL Router at the Customer Site. Customer shall provide, install and configure the ADSL Router at the Customer Site. It does not include the POTS line, passive filters or inside wiring. Customer shall provide and is responsible for installation of the POTS line and any necessary filters and inside wiring.

DSL VPN is a subset of the MPLS service. In this section, DSL is the only access option used.

MPLS complies with industry definitions and standards as set by the IETF and provides the features requested by the State:

- Firewall Features—The network-based firewall provides comprehensive firewall functionality and services within the network, providing a secure gateway between the

VPN and outside sources, typically the Internet. Also, firewall features are integral to both the software and CPE clients for ANIRA.

- Encryption—Encryption is typically used when accessing the VPN from a source outside of the VPN, typically the Internet. The AT&T Network Based IP VPN Remote Access (ANIRA) fully supports standards-based encryption for remote access. A full description for ANIRA appears below. CPE-based IPsec compatible with AVPN provides encryption required between VPN users. The required CPE is available as an unsolicited feature.
- Non-IP Traffic—As a standards-based MPLS network, AVPN supports IP tunneling to support non-IP traffic.
- Authentication—Authentication is typically used when accessing the VPN from a source outside of the VPN, typically the Internet. The AT&T Network Based IP VPN Remote Access (ANIRA) fully supports standards-based authentication for remote access. A full description for ANIRA appears below.

### ***AT&T Network Based IP VPN Remote Access (ANIRA)***

The AT&T Network Based IP VPN Remote Access (ANIRA) introduces a standard set of capabilities to access AVPN. This service will provide remote access/SOHO capabilities to AVPN. Customers using ANIRA can connect to a private VPN via any of the following options as 'access':

- AT&T Dial (analog or ISDN)
- Extended access analog or Wi-Fi
- AT&T DSL
- AT&T Internet Service
- Third-party Access (i.e., access circuit is not ordered or managed by AT&T) broadband or ISP.

ANIRA is a global feature, integrated with global egress services.

Summary of the key ANIRA features:

- IP service
- Single user (AT&T or third-party software client) and multiuser access (e.g., select SOHO VPN devices, including NetGates and Cisco)
- Access via AT&T Dial, DSL, Internet access
- Integration with the following egress services: frame relay, ATM, IPFR and EVPN
- AT&T and customer-managed authentication (e.g., SecureID, RADIUS, SafeWord)
- Dual access (access to the network-based VPN and Internet)
- Support for registered and unregistered IP addresses
- IPsec and L2TP support for dial users
- No requirement for specialized CPE at the customer premises
- Usage-based and fixed-rate price plans for dial users
- Global service

ANIRA supports IPsec tunnels from a VPN device (i.e., AT&T Global Network Client, or SOHO device (e.g., NetGate or Cisco 831) to the virtual interface gateway (VIG) in the network. The VIG would terminate the IPsec tunnel and maps the traffic to the appropriate data or IP VPN egress (MPLS or frame-based VPN). For dial analog or ISDN access, packets

transport through the dial network by tunneling them in L2TP or IPSec with the destination of the packets to a virtual interface gateway (VIG)—all of which is transparent to the customer. The local interface gateway (LIG) provides the following functionality in the network:

- Dynamically assigns the user an IP address for the current session only.
- The AT&T Global Network client or the customer's logon script updates the end user's TCP/IP software configuration with the dynamically assigned IP address.
- Checks the source address of every packet to ensure it is unchanged; if a change is detected, the LIG discards the packet.
- It then checks the destination address of every packet to verify the user ID's authorization to that destination address. If authorized, the LIG allows the packet to pass. If not, the LIG discards the packet.
- The LIG checks the source address of all packets bound for the dial user. If the source address is in the user's access list, the LIG delivers the packet. If not, the LIG discards the packet.

### ***Network-Based Firewall (NBFW)***

AT&T's Network-Based Firewall (NBFW) service requires no additional equipment on the customer's premises—the customer subscribes to, rather than purchase, network security. There is no need to install customer premises firewalls and dedicated Internet connectivity at the customers' locations. The network-based security devices reside in the AT&T Security Data Centers (SDC), which reduces capital expenditures, risk of technological obsolescence, and need for additional staff members. AT&T owns all security assets and provides 24x7 monitoring and attack management of the firewall service.

AT&T's Network-Based Firewall provides highly secure connections for AT&T VPN (AVPN) clients along with a highly specialized staff to screen applications and administer firewalls, intrusion detection signatures, filters, patches, and servers.

Using the economies of a large private network, AT&T enables you to leverage your existing WAN investment by installing sophisticated security features directly into the AT&T network. This provides you the advantage of accessing the Internet via existing enterprise PVCs filtered and monitored via the AT&T SDC. Since we administer the firewall within our network, you avoid the double expense of homing remote traffic to a central security location only to be rerouted back to the Internet.

AT&T's Network-Based Firewall is available in five service levels, ranging from a simple outbound-only security policy to an extensive bi-directional policy with optional features, such as URL filtering and site failover. This service will continuously inspect and treat inbound and outbound traffic according to your predefined security policies. The customer can also select the company's required bandwidth allocation for Internet access through the firewall. The intrusion detection feature provides an additional layer of security by inspecting the content of the packet passing through the firewall and matching it against patterns of known attack types or Internet worms. After the firewall makes a match, it discards the packet if dictated by your security policy.

AT&T's Security Network Operations Center (S/NOC) actively manages and monitors the firewalls, 24x7. The S/NOC is, a highly secure, fully redundant site equipped with emergency

backup power. Secure procedures between the customer and the AT&T S/NOC are in place to provide configuration changes to security policy and firewall.

The following sections outline the different configurations, or levels, of the AT&T Network-Based Firewall Service, as well as standard and optional features.

### ***Network-Based Firewall Features***

AT&T Network-Based Firewall moves firewall functionality into AT&T's network infrastructure and provides highly secure connections for AT&T Frame Relay, ATM, AT&T IP-enabled Frame Relay, AT&T IP-enabled ATM or EVPN. The service is designed to help enterprises implement and monitor Internet access for multiple sites and enforce sophisticated network security policies from an AT&T Internet Data Center. There are five feature levels available as a part of this service. They are:

- Level 1: Outbound Only, Common Security Policy
- Level 2: Outbound Only, Custom Security Policy (up to 10 rules are included)
- Level 3: Outbound/Inbound, Custom Security Policy (up to 30 rules are included)
- Level 4: Outbound/Inbound, Custom Security Policy (up to 50 rules are included)
- Level 5: Outbound/Inbound, Custom Security Policy (up to 99 rules are included)

For levels two through five, the customer will be able to define its own security policies. AT&T completes the policy administration on the equipment. Levels two through five also feature optional content filtering and user authentication capabilities. Additional features, such as blocking access to specified websites, and support for extranets via monitored, private connections between customer locations and business partners are available.

The AT&T Network-Based Firewall Service enforces traffic separation among customers. For customers who wish to make use of this firewall service, AT&T will establish a permanent virtual circuit (PVC) from your private network to the service in order to filter the traffic coming in or going to the Internet. The type of PVC will vary based on your WAN architecture. By design, traffic separation occurs without tunneling or encryption. This occurs through a combination of border gateway protocol (BGP), MPLS, and IP address resolution.

#### **1. Standard Features:**

**Custom Security Policy**—The service allows you to define the security policy enforced at the SDC. The standard security policy promotes a robust security implementation and enforcement, including:

- A customer-defined security policy per each customer secure network
- Transparent, stateful inspection of allowed IP traffic via the firewall
- Inbound and outbound connectivity and security policy monitoring
- Security review of requested changes to security policy by AT&T security experts
- Redundant connections to the AT&T OC-48/OC-192 IP backbone and packet services network

**Intrusion Detection**—The service's intrusion detection feature includes scanning all customer traffic for more than sixteen categories of exploits, anomalies, and attacks.

**Emergency response**—AT&T provides an emergency response when activities that violate a rule are detected. AT&T monitoring personnel respond in a fashion that is consistent with the established AT&T Network-Based Firewall Service security policy.

**Customer Care/Technical Support**—The service provides 24x7 monitoring and technical support.

**DNS**—The service includes domain naming system (DNS) caching. The SDC provides DNS caching to offer customers resolution performance and protection services.

**Redundancy**—The service provides a same-site redundancy as a standard feature.

**Same Site Redundancy:** Uses alternative paths through the data center to minimize single-point-of-failure vulnerabilities. Accomplishes automatic load-balancing with failover using BGP by provisioning a second ePVC as a backup link into the SDC from the customer's VPN.

**Dynamic Load Balancing**—Dynamic load balancing distributes traffic dynamically across the shared firewall farm based on the utilization of the security devices within a single data center. This feature optimizes the traffic flow and provides consistent network performance.

**Static and many-to-one Network Address Translation**—Network address translation (NAT) conceals the company's internal network addresses from the Internet, avoiding their disclosure as public information.

**Peak Bandwidth Allocation**—You can establish bandwidth requirements for Internet access through the firewall. Bandwidth subscriptions are from 1.55 Mbps to 45 Mbps (higher bandwidth available). The service does not oversubscribe the ePVCs provisioned from your MPLS VPN to the service. This means that you get dedicated bandwidth per your subscribed capacity.

**Reporting**—Customers receive a variety of standard usage activity reports, all of which are accessible online. These reports include:

- Firewall Application Wise Traffic Analysis
- Intrusion Detection Activity
- Intrusion Detection Attacker List Detail
- Intrusion Detection Attack Category Wise Alarms
- Profile Wise Alarm Severity Distribution
- Top N Protocols
- Top 20 Sites
- Top 20 Users
- URL Category Wise Action
- URL Offender List
- Traffic Analysis
- URL Category Action

**Vulnerability assessments**—The service uses a periodic vulnerability assessment to identify and remove those vulnerabilities within the shared infrastructure that intruders could exploit to gain access to the network.

**Dynamic User Authentication**—You will be able to administer user access via your RADIUS servers, on your premises.

## 2. Optional Features

**Dynamic URL and Content Filtering**—You can choose this feature option to use predefined lists or construct custom lists to prevent or allow users from accessing Internet sites. You can also do IP-based blocking and search engine keywords blocking.

**Additional Secure Networks**—A secure network, or SecNet, is any routable IP network or group of networks you want secure communications between, or for which you want secure Internet access. Each SecNet maintains Layer 2 separation into its own security policy in the SDC. A common use for SecNets is policy application for inter-community communications. The option allows users to identify the number of additional SecNets into a single SDC. Each SecNet includes a pair of ePVCs into a single data center.

**Additional Public IP Addresses**—This option provides public addresses in addition to what AT&T includes in the level you are considering for the service.

**Additional Site Egress and Ingress**—You would choose this option for inbound and outbound access for more than one SDC.

**Site Failover**—This option enables a single alternate SDC to receive “failover traffic” and retain duplicate or mirrored policy for a specified SecNet.

- **Alternate Site Redundancy:** A failover path of a third ePVC is available to backup an entire site’s policy for a customer. If provisioned, the site failover triggers in the event of primary and backup circuit failover into the first SDC or if there was a catastrophic event leading to failure of critical network infrastructure components leading into or out of the first SDC.

**Additional Firewall Rules**—You can add firewall rules beyond the number included in the service level you are considering.

**Premium Security Consultation**—This option allows you to purchase network engineering or security consultant time to assist in issues related to your WAN within the operation of an AT&T MPLS network and the firewall service.

### **DSL VPN Service and Features**

<b>Feature Name</b>	<b>Identifier</b>	<b>Feature Description</b>
DSL VPN site-to-site connectivity solutions (non-Internet traversing)		End-to-end DSL virtual connection; Remote access and firewall features are separate.
DSL VPN Expedite option	AVDLEXP	Installation intervals to be negotiated.
DSL VPN Change Charge	18579	DSL VPN Change Charge
DSL VPN Disconnect Charge	18581	DSL VPN Disconnect Charge

<b>Feature Name</b>	<b>Identifier</b>	<b>Feature Description</b>
AVPN MPLS SDSL 128K	18571	DSL Access to AVPN Service 128K; MPLS SDSL connection at 128 Kbps.
AVPN MPLS SDSL 256K	18572	DSL Access to AVPN Service 256K; MPLS SDSL connection at 256 Kbps.
AVPN MPLS SDSL 384K	18573	DSL Access to AVPN Service 384K; MPLS SDSL connection at 384 Kbps.
AVPN MPLS SDSL 768K	18574	DSL Access to AVPN Service 768K; MPLS SDSL connection at 768 Kbps.
AVPN MPLS SDSL 1M	18575	DSL Access to AVPN Service 1M; MPLS SDSL connection at 1 Mbps.
AVPN MPLS SDSL 1.5M	18576	DSL Access to AVPN Service 1.5Mbps; MPLS SDSL connection at 1.5Mbps.
AVPN MPLS ADSL Line Shared Connection 384K/384K	19837	ADSL lined shared connection AVPN Service at 384 Kbps downstream by 384 Kbps upstream
AVPN MPLS ADSL Line Shared Connection 1.5M/384K	18577	ADSL lined shared connection to AVPN Service at 1.5 Mbps downstream by 384 Kbps upstream
AVPN MPLS ADSL Line Shared Connection 3.072M/384K	19838	ADSL lined shared connection to AVPN Service at 3.072 Mbps downstream by 384 Kbps upstream
AVPN MPLS ADSL Line Shared Connection 3.072M/768K	19839	ADSL lined shared connection to AVPN Service at 3.072 Mbps downstream by 768 Kbps upstream
AVPN MPLS ADSL Line Shared Connection 6.144M/768K	19840	ADSL lined shared connection to AVPN Service at 6.144 Mbps downstream by 768 Kbps upstream
ANIRA -IPSec Hourly Analog	6970	Local analog secure dial access to AVPN via AT&T network, per hour of usage.
ANIRA - IPSec Hourly ISDN	6982	Local ISDN secure dial access to AVPN via AT&T network, per hour of usage. Charge for each B-channel in use.
ANIRA - IPSec Toll- Free	6994	Hourly Toll-Free dial-up access surcharge; Secure dial-up access, hourly surcharge for toll- free access when local dial is not available.
ANIRA - IPSec Monthly Analog	17563	Local analog secure dial access to AVPN via AT&T network, per month. Up to 150 hours per month.
ANIRA IPSec - Monthly Excess	17564	Local analog secure dial access to AVPN via AT&T network. Hourly charge for more than 150 hours.
ANIRA – Third Party Access	16940	Monthly management fee for remote access users with third-party Internet access.

Feature Name	Identifier	Feature Description
ANIRA – Bandwidth Connection Charge (Type II)	175** 1760*	Connection to support aggregate bandwidth between gateway (VIG) and VPN. Available in various speeds (see Attachment 4). Monthly charge for redundant virtual connection from gateway to VPN. Sized for aggregate peak usage of fixed and dial-up connections per VPN.
ANIRA - Managed Broadband Multi-User Service	176**	Secure access for multi-user sites using AT&T DSL with AT&T Netgate and the AT&T Global Network Client. Available in various speeds (see exhibit 7). The feature provides business customers with a broadband solution from a remote access SOHO multiuser LAN to corporate LANs, intranets, and extranet(s), via AT&T DSL service and the AT&T SOHO VPN device using IPSec.
ANIRA -Managed Broadband Single User Service (ADSL and IDSL)	176**	Secure access for single-user sites using AT&T DSL with AT&T Global Network Client. Available in various speeds (see exhibit 7). The feature provides business customers with a broadband solution from a remote access single-user to corporate LANs, intranets, and extranet(s), via AT&T DSL service and the AT&T Global Network client.
Managed Broadband Multi-User VPN Device	17650c	Secure access device for multi-user sites using AT&T DSL or third party access; ANIRA users who require broadband access will use one of these devices: AT&T NetGate 4100, AT&T NetGate 7100, or Cisco 831/836/837
ANIRA - Extended Access and Wi-Fi Wired Ethernet	15172	SecureWi-Fi access using AT&T Global Network Client; Wi-Fi support is added as a feature extension to ANIRA which has the following features: Provides the ability to roam across multiple Wi-Fi networks with a consistent user login experience using the AT&T Global Network (AGN) client and one set of log-in credentials for dial, broadband and Wi-Fi.
ANIRA – Wi-Fi Access	17164	SecureWi-Fi access using AT&T Global Network Client; Wi-Fi support is added as a feature extension to ANIRA which has the following features: Provides he ability to roam across multiple Wi-Fi networks with a consistent user login experience using the AT&T Global Network (AGN) client and one set of log-in credentials for dial,

Feature Name	Identifier	Feature Description
		broadband and Wi-Fi.
NBFW – Connection Bandwidth	178**	Aggregate bandwidth connecting the VPN to the firewall. Available in various speeds. MSS-NB is available in five service levels ranging from a simple outbound-only security policy to an extensive bi-directional policy with many optional features.
NBFW – URL Filtering	179**	<p>URL Filtering. Sized based on number of users; Allows Internet traffic filtered based on Web site content. This option is licensed on the number of concurrent users (e.g. 100, 500, 1,000, 3,000, 5,000, above). This option has the following features available:</p> <ul style="list-style-type: none"> <li>• A number of pre-defined URL categories (e.g., religion, sports, etc) selected to be allowed or denied</li> <li>• The whitelist/blacklist function allows browsing to specific URLs to be permitted or denied. This function overrides any URL filtering options.</li> <li>• It is possible to block Web searches based on keywords</li> <li>• URL blocking can also be done by IP address rather than URL name</li> </ul>
NBFW – Multiple Site Handling	NBWF**	<p>Additional Site Egress and Ingress (or Multiple Gateway Access Point) This option allows the customer to have inbound and/or outbound access through more than one SDC.</p>
NBFW – Additional Public IP Addresses	17920 or 17922	<p>Additional Public IP addresses. In block of 4 or 256. If the customer needs more than the allocated number of IP addresses for that service level, they can buy extra IP addresses.</p>
NBFW – Additional Secure Networks	17918*	<p>Additional Secure Networks (SecNets); Allows customer to have extra secure networks (SecNets) into a single SDC. The price includes the cost of ePVC into a single SDC. A DMZ or other isolated MPLS network is considered to be another secure network</p>
NBFW – Site Failover	17928	<p>Support for existing alternate ISP (failover); This option allows the customer to have a single alternate SDC to receive “failover traffic.” One failover site only.</p>

Feature Name	Identifier	Feature Description
NBFW – Additional Firewall Rules	17930	Additional firewall rules in blocks of 5. This option allows the customer to choose extra firewall rules in addition to those provided at the service level. Customer can buy the rules in blocks of five.
NBFW – Premium Time	17932	Premium Network Engineering or Security Consultant Time, in blocks of 8 hours, maximum 10 blocks. The customer may request resource from AT&T to assist with issues related to their WAN operating with the AT&T MPLS network and the MSS-NB service. This option allows the customer to purchase Premium Network Engineering or security consultant telephone assistance in multiple blocks of eight hours.

***Customer Premises Equipment (CPE) and Services***

AT&T offers a variety of CPE and pre-implementation, implementation and post-implementation services for CPE in support of all WAN access services.

See Required CPE and Other Equipment for descriptions of additional equipment and services offered.

### 6.1.3.2.6 Service Identifier: Multi Protocol Label Switching (MPLS) Services

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
<b>AVPN Port and Access Service Bundle</b>					
AVPN DS0 Port/Access - 56 Kbps	17972	\$ 500.00	\$ 156.00	Port + Access	\$ 500.00
AVPN DS1 Port/Access - 128 Kbps	17974	\$ 500.00	\$ 326.98	Port + Access	\$ 500.00
AVPN DS1 Port/Access - 256 Kbps	17976	\$ 500.00	\$ 351.88	Port + Access	\$ 500.00
AVPN DS1 Port/Access - 384 Kbps	17978	\$ 500.00	\$ 383.54	Port + Access	\$ 500.00
AVPN DS1 Port/Access - 512 Kbps	17980	\$ 500.00	\$ 412.20	Port + Access	\$ 500.00
AVPN DS1 Port/Access - 640 Kbps	17982	\$ 500.00	\$ 419.40	Port + Access	\$ 500.00
AVPN DS1 Port/Access - 768 Kbps	17984	\$ 500.00	\$ 405.11	Port + Access	\$ 500.00
AVPN DS1 Port/Access - 1024 Kbps	17985	\$ 500.00	\$ 414.46	Port + Access	\$ 500.00
AVPN DS1 Port/Access - 1.544 Mbps	17986	\$ 500.00	\$ 419.40	Port + Access	\$ 500.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
AVPN NxDS1 Port/Access 3.088 Mbps	17990	\$ 500.00	\$ 869.20	Port + Access	\$ 500.00
AVPN NxDS1 Port/Access 4.632 Mbps	17992	\$ 500.00	\$ 1,292.40	Port + Access	\$ 500.00
AVPN DS3 Port/Access 5 Mbps	17995	\$ 500.00	\$ 1,333.20	Port + Access	\$ 500.00
AVPN NxDS1 Port/Access 6.176 Mbps	17994	\$ 500.00	\$ 1,625.20	Port + Access	\$ 500.00
AVPN NxDS1 Port/Access 7.720 Mbps	17996	\$ 500.00	\$ 1,878.20	Port + Access	\$ 500.00
AVPN NxDS1 Port/Access 9.264 Mbps	17998	\$ 500.00	\$ 2,174.60	Port + Access	\$ 500.00
AVPN DS3 Port/Access 10 Mbps	17999	\$ 500.00	\$ 2,249.16	Port + Access	\$ 500.00
AVPN NxDS1 Port/Access 12.352 Mbps	18003	\$ 500.00	\$ 2,435.00	Port + Access	\$ 500.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
AVPN DS3 Port/Access 15 Mbps	18005	\$ 500.00	\$ 2,520.10	Port + Access	\$ 500.00
AVPN DS3 Port/Access 20 Mbps	18007	\$ 500.00	\$ 2,675.30	Port + Access	\$ 500.00
AVPN DS3 Port/Access 25 Mbps	18008	\$ 500.00	\$ 2,965.50	Port + Access	\$ 500.00
AVPN DS3 Port/Access 30 Mbps	18009	\$ 500.00	\$ 3,160.05	Port + Access	\$ 500.00
AVPN DS3 Port/Access 45 Mbps	18013	\$ 500.00	\$ 3,403.50	Port + Access	\$ 500.00
<b>AVPN Port Only</b>					
AVPN DS1 Port – 128 Kbps	17974P	\$ 500.00	\$ 241.98	Port	\$ 500.00
AVPN DS1 Port - 256 Kbps	17976P	\$ 500.00	\$ 266.88	Port	\$ 500.00
AVPN DS1 Port - 384 Kbps	17978P	\$ 500.00	\$ 298.54	Port	\$ 500.00
AVPN DS1 Port - 512 Kbps	17980P	\$ 500.00	\$ 327.20	Port	\$ 500.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
AVPN DS1 Port - 640 Kbps	17982P	\$ 500.00	\$ 334.40	Port	\$ 500.00
AVPN DS1 Port - 768 Kbps	17984P	\$ 500.00	\$ 320.11	Port	\$ 500.00
AVPN DS1 Port - 1024 Kbps	17985P	\$ 500.00	\$ 329.46	Port	\$ 500.00
AVPN DS1 Port - 1.544 Mbps	17986P	\$ 500.00	\$ 334.40	Port	\$ 500.00
AVPN NxDS1 Port - 3.088 Mbps	17990P	\$ 500.00	\$ 699.20	Port	\$ 500.00
AVPN NxDS1 Port - 4.632 Mbps	17992P	\$ 500.00	\$ 1,037.40	Port	\$ 500.00
AVPN NxDS1 Port - 6.176 Mbps	17994P	\$ 500.00	\$ 1,285.20	Port	\$ 500.00
AVPN NxDS1 Port - 7.720 Mbps	17996P	\$ 500.00	\$ 1,453.20	Port	\$ 500.00
AVPN NxDS1 Port 9.264 Mbps	17998P	\$ 500.00	\$ 1,664.60	Port	\$ 500.00
AVPN DS3 Port - 10 Mbps	17999P	\$ 500.00	\$ 1,259.16	Port	\$ 500.00
AVPN NxDS1 Port - 12.352 Mbps	18003P	\$ 500.00	\$ 1,755.00	Port	\$ 500.00
AVPN DS3 Port - 15 Mbps	18005P	\$ 500.00	\$ 1,530.10	Port	\$ 500.00
AVPN DS3 Port - 20 Mbps	18007P	\$ 500.00	\$ 1,685.30	Port	\$ 500.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
AVPN - DS3 Port - 25 Mbps	18008P	\$ 500.00	\$ 1,975.50	Port	\$ 500.00
AVPN DS3 Port - 30 Mbps	18009P	\$ 500.00	\$ 2,170.05	Port	\$ 500.00
AVPN DS3 Port - 45 Mbps	18013P	\$ 500.00	\$ 2,413.50	Port	\$ 500.00
AVPN OC3 Port - 50 Mbps	18010	\$ 500.00	\$ 2,783.20	Port	\$ 500.00
AVPN OC3 Port - 75 Mbps	18011	\$ 500.00	\$ 3,901.80	Port	\$ 500.00
AVPN OC3 Port - 100 Mbps	18014	\$ 500.00	\$ 4,787.30	Port	\$ 500.00
AVPN OC3 Port - 155 Mbps	18015	\$ 500.00	\$ 6,390.30	Port	\$ 500.00
AVPN OC12 Port - 200 Mbps	18016	\$ 500.00	\$ 8,717.10	Port	\$ 500.00
AVPN OC12 Port - 300 Mbps	18017	\$ 500.00	\$ 10,684.10	Port	\$ 500.00
AVPN OC12 Port - 400 Mbps	18018	\$ 500.00	\$ 12,650.40	Port	\$ 500.00
AVPN OC12 Port - 622 Mbps	18021	\$ 500.00	\$ 16,972.20	Port	\$ 500.00
AVPN Gigabit Ethernet Port 1 Mbps	19616	\$ 500.00	\$ 271.32	Port	\$ 500.00
AVPN Gigabit Ethernet Port 2 Mbps	19617	\$ 500.00	\$ 343.00	Port	\$ 500.00
AVPN Gigabit Ethernet Port 3 Mbps	19618	\$ 500.00	\$ 413.42	Port	\$ 500.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
AVPN Gigabit Ethernet Port 4 Mbps	19619	\$ 500.00	\$ 482.44	Port	\$ 500.00
AVPN Gigabit Ethernet Port 5 Mbps	17995	\$ 500.00	\$ 600.06	Port	\$ 500.00
AVPN Gigabit Ethernet Port 6 Mbps	19620	\$ 500.00	\$ 637.00	Port	\$ 500.00
AVPN Gigabit Ethernet Port 7 Mbps	19621	\$ 500.00	\$ 686.00	Port	\$ 500.00
AVPN Gigabit Ethernet Port 8 Mbps	19622	\$ 500.00	\$ 742.00	Port	\$ 500.00
AVPN Gigabit Ethernet Port 9 Mbps	19623	\$ 500.00	\$ 798.00	Port	\$ 500.00
AVPN Gigabit Ethernet Port 10Mbps	17999	\$ 500.00	\$ 839.44	Port	\$ 500.00
AVPN Gigabit Ethernet Port 20Mbps	18007	\$ 500.00	\$ 1,241.80	Port	\$ 500.00
AVPN Gigabit Ethernet Port 30Mbps	18009	\$ 500.00	\$ 1,787.10	Port	\$ 500.00
AVPN Gigabit Ethernet Port 40 Mbps	19624	\$ 500.00	\$ 2,156.00	Port	\$ 500.00
AVPN Gigabit Ethernet Port 50Mbps	18010	\$ 500.00	\$ 2,783.20	Port	\$ 500.00
AVPN Gigabit Ethernet Port 60 Mbps	19625	\$ 500.00	\$ 3,230.64	Port	\$ 500.00
AVPN Gigabit Ethernet Port 70 Mbps	19626	\$ 500.00	\$ 3,678.08	Port	\$ 500.00
AVPN Gigabit Ethernet Port 80 Mbps	19627	\$ 500.00	\$ 4,078.90	Port	\$ 500.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
AVPN Gigabit Ethernet Port 90 Mbps	19628	\$ 500.00	\$ 4,433.10	Port	\$ 500.00
AVPN Gigabit Ethernet Port 100Mbps	18014	\$ 500.00	\$ 4,787.30	Port	\$ 500.00
AVPN Gigabit Ethernet Port 150 Mbps	19629	\$ 500.00	\$ 6,244.56	Port	\$ 500.00
AVPN Gigabit Ethernet Port 200Mbps	18016	\$ 500.00	\$ 8,717.10	Port	\$ 500.00
AVPN Gigabit Ethernet Port 300Mbps	18017	\$ 500.00	\$ 10,684.10	Port	\$ 500.00
AVPN Gigabit Ethernet Port 400Mbps	18018	\$ 500.00	\$ 12,650.40	Port	\$ 500.00
AVPN Gigabit Ethernet Port 500Mbps	18019	\$ 500.00	\$ 14,616.70	Port	\$ 500.00
AVPN Gigabit Ethernet Port 600Mbps	18020	\$ 500.00	\$ 16,580.90	Port	\$ 500.00
AVPN Gigabit Ethernet Port 700Mbps	18022	\$ 500.00	\$ 21,436.80	Port	\$ 500.00
AVPN Gigabit Ethernet Port 800Mbps	18023	\$ 500.00	\$ 23,403.10	Port	\$ 500.00
AVPN Gigabit Ethernet Port 900Mbps	18024	\$ 500.00	\$ 25,467.40	Port	\$ 500.00
AVPN Gigabit Ethernet Port 1000Mbps	18025	\$ 500.00	\$ 27,514.90	Port	\$ 500.00
AVPN VLAN					
AVPN VLAN (Ethernet) 5Mbps	AVVVL5	ICB	ICB	Port	ICB

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
AVPN VLAN (Ethernet) 10Mbps	AVVVVL10	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 20Mbps	AVVVVL20	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 30Mbps	AVVVVL30	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 50Mbps	AVVVVL50	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 100Mbps	AVVVVL100	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 200Mbps	AVVVVL200	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 300Mbps	AVVVVL300	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 400Mbps	AVVVVL400	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 500Mbps	AVVVVL500	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 600Mbps	AVVVVL600	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 700Mbps	AVVVVL700	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 800Mbps	AVVVVL800	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 900Mbps	AVVVVL900	ICB	ICB	Port	ICB
AVPN VLAN (Ethernet) 1000Mbps	AVVVVL1000	ICB	ICB	Port	ICB

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
<b>AVPN Service Diversity</b>					
MPLS Port SDO - 56 Kbps	18032	\$ 500.00	\$ 2.24	Port	\$ 100.00
MPLS Port SDO - 64Kbps	18033	\$ 500.00	\$ 3.08	Port	\$ 100.00
MPLS Port SDO - 128 Kbps	18034	\$ 500.00	\$ 4.62	Port	\$ 100.00
MPLS Port SDO - 192 Kbps	18035	\$ 500.00	\$ 5.88	Port	\$ 100.00
MPLS Port SDO - 256 Kbps	18036	\$ 500.00	\$ 7.84	Port	\$ 100.00
MPLS Port SDO - 320 Kbps	18037	\$ 500.00	\$ 8.68	Port	\$ 100.00
MPLS Port SDO - 384 Kbps	18038	\$ 500.00	\$ 9.52	Port	\$ 100.00
MPLS Port SDO - 448 Kbps	18039	\$ 500.00	\$ 10.50	Port	\$ 100.00
MPLS Port SDO - 512 Kbps	18040	\$ 500.00	\$ 11.48	Port	\$ 100.00
MPLS Port SDO - 576 Kbps	18041	\$ 500.00	\$ 11.90	Port	\$ 100.00
MPLS Port SDO - 640 Kbps	18042	\$ 500.00	\$ 12.32	Port	\$ 100.00
MPLS Port SDO - 704 Kbps	18043	\$ 500.00	\$ 12.74	Port	\$ 100.00
MPLS Port SDO - 768 Kbps	18044	\$ 500.00	\$ 13.16	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS Port SDO - 1024 Kbps	18045	\$ 500.00	\$ 13.30	Port	\$ 100.00
MPLS Port SDO - 1.544 Mbps	18046	\$ 500.00	\$ 13.44	Port	\$ 100.00
MPLS Port SDO - 3.088 Mbps	18050	\$ 500.00	\$ 21.28	Port	\$ 100.00
MPLS Port SDO - 4.632 Mbps	18052	\$ 500.00	\$ 28.00	Port	\$ 100.00
MPLS Port SDO - 5 Mbps	18055	\$ 500.00	\$ 30.10	Port	\$ 100.00
MPLS Port SDO - 6.176 Mbps	18054	\$ 500.00	\$ 32.20	Port	\$ 100.00
MPLS Port SDO - 7.720 Mbps	18056	\$ 500.00	\$ 36.40	Port	\$ 100.00
MPLS Port SDO - 9.264 Mbps	18058	\$ 500.00	\$ 40.18	Port	\$ 100.00
MPLS Port SDO - 10 Mbps	18059	\$ 500.00	\$ 42.00	Port	\$ 100.00
MPLS Port SDO - 10.808 Mbps	18061	\$ 500.00	\$ 43.82	Port	\$ 100.00
MPLS Port SDO - 12.352 Mbps	18063	\$ 500.00	\$ 47.32	Port	\$ 100.00
MPLS Port SDO - 15 Mbps	18065	\$ 500.00	\$ 48.72	Port	\$ 100.00
MPLS Port SDO - 20 Mbps	18067	\$ 500.00	\$ 62.16	Port	\$ 100.00
MPLS Port SDO - 25 Mbps	18068	\$ 500.00	\$ 78.86	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS Port SDO - 30 Mbps	18069	\$ 500.00	\$ 89.32	Port	\$ 100.00
MPLS Port SDO - 45 Mbps	18073	\$ 500.00	\$ 112.70	Port	\$ 100.00
MPLS Port SDO - 155 Mbps	18075	\$ 500.00	\$ 319.48	Port	\$ 100.00
<b>AVPN POP Diversity</b>					
MPLS Port POP Diversity - 56 Kbps	18093	\$ 1,000.00	\$ 4.62	Port	\$ 100.00
MPLS Port POP Diversity - 64 Kbps	18094	\$ 1,000.00	\$ 6.02	Port	\$ 100.00
MPLS Port POP Diversity - 128 Kbps	18095	\$ 1,000.00	\$ 9.10	Port	\$ 100.00
MPLS Port POP Diversity - 192 Kbps	18096	\$ 1,000.00	\$ 11.76	Port	\$ 100.00
MPLS Port POP Diversity - 256 Kbps	18097	\$ 1,000.00	\$ 15.54	Port	\$ 100.00
MPLS Port POP Diversity - 320 Kbps	18098	\$ 1,000.00	\$ 17.22	Port	\$ 100.00
MPLS Port POP Diversity - 384 Kbps	18099	\$ 1,000.00	\$ 19.04	Port	\$ 100.00
MPLS Port POP Diversity - 448 Kbps	18100	\$ 1,000.00	\$ 21.00	Port	\$ 100.00
MPLS Port POP Diversity - 512 Kbps	18101	\$ 1,000.00	\$ 22.96	Port	\$ 100.00
MPLS Port POP Diversity - 576 Kbps	18102	\$ 1,000.00	\$ 23.80	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS Port POP Diversity - 640 Kbps	18103	\$ 1,000.00	\$ 24.64	Port	\$ 100.00
MPLS Port POP Diversity - 704 Kbps	18104	\$ 1,000.00	\$ 25.48	Port	\$ 100.00
MPLS Port POP Diversity - 768 Kbps	18105	\$ 1,000.00	\$ 26.32	Port	\$ 100.00
MPLS Port POP Diversity - 1024 Kbps	18106	\$ 1,000.00	\$ 26.60	Port	\$ 100.00
MPLS Port POP Diversity - 1.544 Mbps	18107	\$ 1,000.00	\$ 26.88	Port	\$ 100.00
MPLS Port POP Diversity - 3.088 Mbps	18111	\$ 1,000.00	\$ 42.56	Port	\$ 100.00
MPLS Port POP Diversity - 4.632 Mbps	18113	\$ 1,000.00	\$ 55.86	Port	\$ 100.00
MPLS Port POP Diversity - 5 Mbps	18116	\$ 1,000.00	\$ 60.20	Port	\$ 100.00
MPLS Port POP Diversity - 6.176 Mbps	18115	\$ 1,000.00	\$ 64.26	Port	\$ 100.00
MPLS Port POP Diversity - 7.720 Mbps	18117	\$ 1,000.00	\$ 72.66	Port	\$ 100.00
MPLS Port POP Diversity - 9.264 Mbps	18119	\$ 1,000.00	\$ 80.36	Port	\$ 100.00
MPLS Port POP Diversity - 10 Mbps	18120	\$ 1,000.00	\$ 84.00	Port	\$ 100.00
MPLS Port POP Diversity - 10.808 Mbps	18122	\$ 1,000.00	\$ 87.50	Port	\$ 100.00
MPLS Port POP Diversity - 12.352 Mbps	18124	\$ 1,000.00	\$ 94.50	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS Port POP Diversity - 15 Mbps	18126	\$ 1,000.00	\$ 97.44	Port	\$ 100.00
MPLS Port POP Diversity - 20 Mbps	18128	\$ 1,000.00	\$ 124.18	Port	\$ 100.00
MPLS Port POP Diversity - 25 Mbps	18129	\$ 1,000.00	\$ 153.72	Port	\$ 100.00
MPLS Port POP Diversity - 30 Mbps	18130	\$ 1,000.00	\$ 178.78	Port	\$ 100.00
MPLS Port POP Diversity - 45 Mbps	18134	\$ 1,000.00	\$ 225.26	Port	\$ 100.00
MPLS Port POP Diversity - 155 Mbps	18136	\$ 1,000.00	\$ 639.10	Port	\$ 100.00
<b>AVPN Layer 2 PVCs</b>					
MPLS PVC 4K	18152	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 8K	18153	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 16K	18154	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 32K	18155	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 48K	18156	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 56K	18157	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 64K	18158	\$ 25.00	\$ -	PVC	\$ 25.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS PVC 128K	18159	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 192K	18160	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 256K	18161	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 320K	18162	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 384K	18163	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 448K	18164	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 512K	18165	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 576K	18166	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 640K	18167	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 704K	18168	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 768K	18169	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 832K	18170	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 896K	18171	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 960K	18172	\$ 25.00	\$ -	PVC	\$ 25.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS PVC 1024K	18173	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 1536K	18174	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 2M	18175	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 3M	18176	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 4M	18177	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 5M	18178	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 6M	18179	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 7M	18180	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 8M	18181	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 9M	18182	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 10M	18183	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 15M	18184	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 20M	18185	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 25M	18186	\$ 25.00	\$ -	PVC	\$ 25.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS PVC 30M	18187	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 35M	18188	\$ 25.00	\$ -	PVC	\$ 25.00
MPLS PVC 40M	18189	\$ 25.00	\$ -	PVC	\$ 25.00
<b>AVPN Class of Service</b>					
CoS Package Multimedia High Svc - 56 Kbps	18193	\$ 100.00	\$ 9.10	Port	\$ 100.00
CoS Package Multimedia High Svc - 64 Kbps	18194	\$ 100.00	\$ 12.04	Port	\$ 100.00
CoS Package Multimedia High Svc - 128 Kbps	18195	\$ 100.00	\$ 18.34	Port	\$ 100.00
CoS Package Multimedia High Svc - 192 Kbps	18196	\$ 100.00	\$ 23.38	Port	\$ 100.00
CoS Package Multimedia High Svc - 256 Kbps	18197	\$ 100.00	\$ 31.08	Port	\$ 100.00
CoS Package Multimedia High Svc - 320 Kbps	18198	\$ 100.00	\$ 34.58	Port	\$ 100.00
CoS Package Multimedia High Svc - 384 Kbps	18199	\$ 100.00	\$ 37.94	Port	\$ 100.00
CoS Package Multimedia High Svc - 448 Kbps	18200	\$ 100.00	\$ 41.86	Port	\$ 100.00
CoS Package Multimedia High Svc - 512 Kbps	18201	\$ 100.00	\$ 45.78	Port	\$ 100.00
CoS Package Multimedia High Svc - 576 Kbps	18202	\$ 100.00	\$ 47.60	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Multimedia High Svc - 640 Kbps	18203	\$ 100.00	\$ 49.28	Port	\$ 100.00
CoS Package Multimedia High Svc - 704 Kbps	18204	\$ 100.00	\$ 50.96	Port	\$ 100.00
CoS Package Multimedia High Svc - 768 Kbps	18205	\$ 100.00	\$ 52.78	Port	\$ 100.00
CoS Package Multimedia High Svc - 1024 Kbps	18206	\$ 100.00	\$ 53.20	Port	\$ 100.00
CoS Package Multimedia High Svc - 1.544Mbps	18207	\$ 100.00	\$ 53.76	Port	\$ 100.00
CoS Package Multimedia High Svc - 3.088 Mbps	18211	\$ 100.00	\$ 85.12	Port	\$ 100.00
CoS Package Multimedia High Svc - 4.632Mbps	18213	\$ 100.00	\$ 111.72	Port	\$ 100.00
CoS Package Multimedia High Svc - 5 Mbps	18216	\$ 100.00	\$ 120.26	Port	\$ 100.00
CoS Package Multimedia High Svc - 6.176 Mbps	18215	\$ 100.00	\$ 128.52	Port	\$ 100.00
CoS Package Multimedia High Svc - 7.720Mbps	18217	\$ 100.00	\$ 145.32	Port	\$ 100.00
CoS Package Multimedia High Svc - 9.246 Mbps	18219	\$ 100.00	\$ 160.72	Port	\$ 100.00
CoS Package Multimedia High Svc - 10 Mbps	18220	\$ 100.00	\$ 167.86	Port	\$ 100.00
CoS Package Multimedia High Svc-10.808 Mbps	18222	\$ 100.00	\$ 175.00	Port	\$ 100.00
CoS Package Multimedia High Svc-12.352 Mbps	18224	\$ 100.00	\$ 189.00	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Multimedia High Svc - 15 Mbps	18226	\$ 100.00	\$ 194.74	Port	\$ 100.00
CoS Package Multimedia High Svc - 20 Mbps	18228	\$ 100.00	\$ 248.36	Port	\$ 100.00
CoS Package Multimedia High Svc - 25 Mbps	18229	\$ 100.00	\$ 307.30	Port	\$ 100.00
CoS Package Multimedia High Svc - 30 Mbps	18230	\$ 100.00	\$ 357.42	Port	\$ 100.00
CoS Package Multimedia High Svc - 45 Mbps	18234	\$ 100.00	\$ 450.52	Port	\$ 100.00
CoS Package Multimedia High Svc - 50 Mbps	18231	\$ 100.00	\$ 556.64	Port	\$ 100.00
CoS Package Multimedia High Svc - 75 Mbps	18232	\$ 100.00	\$ 780.36	Port	\$ 100.00
CoS Package Multimedia High Svc-100 Mbps	18235	\$ 100.00	\$ 957.46	Port	\$ 100.00
CoS Package Multimedia High Svc - 155 Mbps	18236	\$ 100.00	\$ 1,278.06	Port	\$ 100.00
CoS Package Multimedia High Svc - 200 Mbps	18237	\$ 100.00	\$ 1,743.42	Port	\$ 100.00
CoS Package Multimedia High Svc - 300 Mbps	18238	\$ 100.00	\$ 2,136.82	Port	\$ 100.00
CoS Package Multimedia High Svc - 400 Mbps	18239	\$ 100.00	\$ 2,530.08	Port	\$ 100.00
CoS Package Multimedia High Svc - 500 Mbps	18240	\$ 100.00	\$ 2,923.34	Port	\$ 100.00
CoS Package Multimedia High Svc - 600 Mbps	18241	\$ 100.00	\$ 3,316.18	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Multimedia High Svc - 622 Mbps	18242	\$ 100.00	\$ 3,394.44	Port	\$ 100.00
CoS Package Multimedia High Svc - 700 Mbps	18243	\$ 100.00	\$ 4,287.36	Port	\$ 100.00
CoS Package Multimedia High Svc - 800 Mbps	18244	\$ 100.00	\$ 4,680.62	Port	\$ 100.00
CoS Package Multimedia High Svc - 900 Mbps	18245	\$ 100.00	\$ 5,093.48	Port	\$ 100.00
CoS Package Multimedia High Svc - 1000 Mbps	18246	\$ 100.00	\$ 5,502.98	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 56 Kbps	18251	\$ 100.00	\$ 9.10	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 64 Kbps	18252	\$ 100.00	\$ 12.04	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 128 Kbps	18253	\$ 100.00	\$ 18.34	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 192 Kbps	18254	\$ 100.00	\$ 23.38	Port	\$ 100.00
CoS Package Multimedia Standard Svc-256 Kbps	18255	\$ 100.00	\$ 31.08	Port	\$ 100.00
CoS Package Multimedia Standard Svc-320 Kbps	18256	\$ 100.00	\$ 34.58	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 384 Kbps	18257	\$ 100.00	\$ 37.94	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 448 Kbps	18258	\$ 100.00	\$ 41.86	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 512 Kbps	18259	\$ 100.00	\$ 45.78	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Multimedia Standard Svc - 576 Kbps	18260	\$ 100.00	\$ 47.60	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 640 Kbps	18261	\$ 100.00	\$ 49.28	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 704 Kbps	18262	\$ 100.00	\$ 50.96	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 768 Kbps	18263	\$ 100.00	\$ 52.78	Port	\$ 100.00
CoS Package Multimedia Standard Svc-1024 Kbps	18264	\$ 100.00	\$ 53.20	Port	\$ 100.00
CoS Package Multimedia Standard Svc-1.544Mbps	18265	\$ 100.00	\$ 53.76	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 3.088 Mbps	18269	\$ 100.00	\$ 85.12	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 4.632Mbps	18271	\$ 100.00	\$ 111.72	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 5 Mbps	18274	\$ 100.00	\$ 120.26	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 6.176 Mbps	18273	\$ 100.00	\$ 128.52	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 7.720Mbps	18275	\$ 100.00	\$ 145.32	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 9.246 Mbps	18277	\$ 100.00	\$ 160.72	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 10 Mbps	18278	\$ 100.00	\$ 167.86	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 10.808M	18280	\$ 100.00	\$ 175.00	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Multimedia Standard Svc - 12.352M	18282	\$ 100.00	\$ 189.00	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 15 Mbps	18284	\$ 100.00	\$ 194.74	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 20 Mbps	18286	\$ 100.00	\$ 248.36	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 25 Mbps	18287	\$ 100.00	\$ 307.30	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 30 Mbps	18288	\$ 100.00	\$ 357.42	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 45 Mbps	18292	\$ 100.00	\$ 450.52	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 50 Mbps	18289	\$ 100.00	\$ 556.64	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 75 Mbps	18290	\$ 100.00	\$ 780.36	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 100 Mbps	18293	\$ 100.00	\$ 957.46	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 155 Mbps	18294	\$ 100.00	\$ 1,278.06	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 200 Mbps	18295	\$ 100.00	\$ 1,743.42	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 300 Mbps	18296	\$ 100.00	\$ 2,136.82	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 400 Mbps	18297	\$ 100.00	\$ 2,530.08	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 500 Mbps	18298	\$ 100.00	\$ 2,923.34	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Multimedia Standard Svc - 600 Mbps	18299	\$ 100.00	\$ 3,316.18	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 622 Mbps	18300	\$ 100.00	\$ 3,394.44	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 700 Mbps	18301	\$ 100.00	\$ 4,287.36	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 800 Mbps	18302	\$ 100.00	\$ 4,680.62	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 900 Mbps	18303	\$ 100.00	\$ 5,093.48	Port	\$ 100.00
CoS Package Multimedia Standard Svc - 1000 Mbps	18304	\$ 100.00	\$ 5,502.98	Port	\$ 100.00
CoS Package Critical Data Svc - 56 Kbps	18309	\$ 100.00	\$ 4.62	Port	\$ 100.00
CoS Package Critical Data Svc - 64 Kbps	18310	\$ 100.00	\$ 6.02	Port	\$ 100.00
CoS Package Critical Data Svc - 128 Kbps	18311	\$ 100.00	\$ 9.10	Port	\$ 100.00
CoS Package Critical Data Svc - 192 Kbps	18312	\$ 100.00	\$ 11.76	Port	\$ 100.00
CoS Package Critical Data Svc - 256 Kbps	18313	\$ 100.00	\$ 15.54	Port	\$ 100.00
CoS Package Critical Data Svc - 320 Kbps	18314	\$ 100.00	\$ 17.22	Port	\$ 100.00
CoS Package Critical Data Svc - 384 Kbps	18315	\$ 100.00	\$ 19.04	Port	\$ 100.00
CoS Package Critical Data Svc - 448 Kbps	18316	\$ 100.00	\$ 21.00	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Critical Data Svc - 512 Kbps	18317	\$ 100.00	\$ 22.96	Port	\$ 100.00
CoS Package Critical Data Svc - 576 Kbps	18318	\$ 100.00	\$ 23.80	Port	\$ 100.00
CoS Package Critical Data Svc - 640 Kbps	18319	\$ 100.00	\$ 24.64	Port	\$ 100.00
CoS Package Critical Data Svc - 704 Kbps	18320	\$ 100.00	\$ 25.48	Port	\$ 100.00
CoS Package Critical Data Svc - 768 Kbps	18321	\$ 100.00	\$ 26.32	Port	\$ 100.00
CoS Package Critical Data Svc - 1024 Kbps	18322	\$ 100.00	\$ 26.60	Port	\$ 100.00
CoS Package Critical Data Svc - 1.544Mbps	18323	\$ 100.00	\$ 26.88	Port	\$ 100.00
CoS Package Critical Data Svc - 3.088 Mbps	18327	\$ 100.00	\$ 42.56	Port	\$ 100.00
CoS Package Critical Data Svc - 4.632Mbps	18329	\$ 100.00	\$ 55.86	Port	\$ 100.00
CoS Package Critical Data Svc - 5 Mbps	18332	\$ 100.00	\$ 60.20	Port	\$ 100.00
CoS Package Critical Data Svc - 6.176 Mbps	18331	\$ 100.00	\$ 64.26	Port	\$ 100.00
CoS Package Critical Data Svc - 7.720Mbps	18333	\$ 100.00	\$ 72.66	Port	\$ 100.00
CoS Package Critical Data Svc - 9.246 Mbps	18335	\$ 100.00	\$ 80.36	Port	\$ 100.00
CoS Package Critical Data Svc - 10 Mbps	18336	\$ 100.00	\$ 84.00	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Critical Data Svc - 10.808 Mbps	18338	\$ 100.00	\$ 87.50	Port	\$ 100.00
CoS Package Critical Data Svc - 12.352 Mbps	18340	\$ 100.00	\$ 94.50	Port	\$ 100.00
CoS Package Critical Data Svc - 15 Mbps	18342	\$ 100.00	\$ 97.44	Port	\$ 100.00
CoS Package Critical Data Svc - 20 Mbps	18344	\$ 100.00	\$ 124.18	Port	\$ 100.00
CoS Package Critical Data Svc - 25 Mbps	18345	\$ 100.00	\$ 153.72	Port	\$ 100.00
CoS Package Critical Data Svc - 30 Mbps	18346	\$ 100.00	\$ 178.78	Port	\$ 100.00
CoS Package Critical Data Svc - 45 Mbps	18350	\$ 100.00	\$ 225.26	Port	\$ 100.00
CoS Package Critical Data Svc - 50 Mbps	18347	\$ 100.00	\$ 278.32	Port	\$ 100.00
CoS Package Critical Data Svc - 75 Mbps	18348	\$ 100.00	\$ 390.18	Port	\$ 100.00
CoS Package Critical Data Svc - 100 Mbps	18351	\$ 100.00	\$ 478.80	Port	\$ 100.00
CoS Package Critical Data Svc - 155 Mbps	18352	\$ 100.00	\$ 639.10	Port	\$ 100.00
CoS Package Critical Data Svc - 200 Mbps	18353	\$ 100.00	\$ 871.78	Port	\$ 100.00
CoS Package Critical Data Svc - 300 Mbps	18354	\$ 100.00	\$ 1,068.48	Port	\$ 100.00
CoS Package Critical Data Svc - 400 Mbps	18355	\$ 100.00	\$ 1,265.04	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Critical Data Svc - 500 Mbps	18356	\$ 100.00	\$ 1,461.74	Port	\$ 100.00
CoS Package Critical Data Svc - 600 Mbps	18357	\$ 100.00	\$ 1,658.16	Port	\$ 100.00
CoS Package Critical Data Svc - 622 Mbps	18358	\$ 100.00	\$ 1,697.22	Port	\$ 100.00
CoS Package Critical Data Svc - 700 Mbps	18359	\$ 100.00	\$ 2,143.68	Port	\$ 100.00
CoS Package Critical Data Svc - 800 Mbps	18360	\$ 100.00	\$ 2,340.38	Port	\$ 100.00
CoS Package Critical Data Svc - 900 Mbps	18361	\$ 100.00	\$ 2,546.74	Port	\$ 100.00
CoS Package Critical Data Svc - 1000 Mbps	18362	\$ 100.00	\$ 2,751.56	Port	\$ 100.00
CoS Package Business Data Svc - 56 Kbps	18367	\$ 100.00	\$ 4.62	Port	\$ 100.00
CoS Package Business Data Svc - 64 Kbps	18368	\$ 100.00	\$ 6.02	Port	\$ 100.00
CoS Package Business Data Svc - 128 Kbps	18369	\$ 100.00	\$ 9.10	Port	\$ 100.00
CoS Package Business Data Svc - 192 Kbps	18370	\$ 100.00	\$ 11.76	Port	\$ 100.00
CoS Package Business Data Svc - 256 Kbps	18371	\$ 100.00	\$ 15.54	Port	\$ 100.00
CoS Package Business Data Svc - 320 Kbps	18372	\$ 100.00	\$ 17.22	Port	\$ 100.00
CoS Package Business Data Svc - 384 Kbps	18373	\$ 100.00	\$ 19.04	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Business Data Svc - 448 Kbps	18374	\$ 100.00	\$ 21.00	Port	\$ 100.00
CoS Package Business Data Svc - 512 Kbps	18375	\$ 100.00	\$ 22.96	Port	\$ 100.00
CoS Package Business Data Svc - 576 Kbps	18376	\$ 100.00	\$ 23.80	Port	\$ 100.00
CoS Package Business Data Svc - 640 Kbps	18377	\$ 100.00	\$ 24.64	Port	\$ 100.00
CoS Package Business Data Svc - 704 Kbps	18378	\$ 100.00	\$ 25.48	Port	\$ 100.00
CoS Package Business Data Svc - 768 Kbps	18379	\$ 100.00	\$ 26.32	Port	\$ 100.00
CoS Package Business Data Svc - 1024 Kbps	18380	\$ 100.00	\$ 26.60	Port	\$ 100.00
CoS Package Business Data Svc - 1.544Mbps	18381	\$ 100.00	\$ 26.88	Port	\$ 100.00
CoS Package Business Data Svc - 3.088 Mbps	18385	\$ 100.00	\$ 42.56	Port	\$ 100.00
CoS Package Business Data Svc - 4.632Mbps	18387	\$ 100.00	\$ 55.86	Port	\$ 100.00
CoS Package Business Data Svc - 5 Mbps	18390	\$ 100.00	\$ 60.20	Port	\$ 100.00
CoS Package Business Data Svc - 6.176 Mbps	18389	\$ 100.00	\$ 64.26	Port	\$ 100.00
CoS Package Business Data Svc - 7.720Mbps	18391	\$ 100.00	\$ 72.66	Port	\$ 100.00
CoS Package Business Data Svc - 9.246 Mbps	18393	\$ 100.00	\$ 80.36	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Business Data Svc - 10 Mbps	18394	\$ 100.00	\$ 84.00	Port	\$ 100.00
CoS Package Business Data Svc - 10.808 Mbps	18396	\$ 100.00	\$ 87.50	Port	\$ 100.00
CoS Package Business Data Svc - 12.352 Mbps	18398	\$ 100.00	\$ 94.50	Port	\$ 100.00
CoS Package Business Data Svc - 15 Mbps	18400	\$ 100.00	\$ 97.44	Port	\$ 100.00
CoS Package Business Data Svc - 20 Mbps	18402	\$ 100.00	\$ 124.18	Port	\$ 100.00
CoS Package Business Data Svc - 25 Mbps	18403	\$ 100.00	\$ 153.72	Port	\$ 100.00
CoS Package Business Data Svc - 30 Mbps	18404	\$ 100.00	\$ 178.78	Port	\$ 100.00
CoS Package Business Data Svc - 45 Mbps	18408	\$ 100.00	\$ 225.26	Port	\$ 100.00
CoS Package Business Data Svc - 50 Mbps	18405	\$ 100.00	\$ 278.32	Port	\$ 100.00
CoS Package Business Data Svc - 75 Mbps	18406	\$ 100.00	\$ 390.18	Port	\$ 100.00
CoS Package Business Data Svc - 100 Mbps	18409	\$ 100.00	\$ 478.80	Port	\$ 100.00
CoS Package Business Data Svc - 155 Mbps	18410	\$ 100.00	\$ 639.10	Port	\$ 100.00
CoS Package Business Data Svc - 200 Mbps	18411	\$ 100.00	\$ 871.78	Port	\$ 100.00
CoS Package Business Data Svc - 300 Mbps	18412	\$ 100.00	\$ 1,068.48	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
CoS Package Business Data Svc - 400 Mbps	18413	\$ 100.00	\$ 1,265.04	Port	\$ 100.00
CoS Package business Data Svc - 500 Mbps	18414	\$ 100.00	\$ 1,461.74	Port	\$ 100.00
CoS Package business Data Svc - 600 Mbps	18415	\$ 100.00	\$ 1,658.16	Port	\$ 100.00
CoS Package business Data Svc - 622 Mbps	18416	\$ 100.00	\$ 1,697.22	Port	\$ 100.00
CoS Package business Data Svc - 700 Mbps	18417	\$ 100.00	\$ 2,143.68	Port	\$ 100.00
CoS Package business Data Svc - 800 Mbps	18418	\$ 100.00	\$ 2,340.38	Port	\$ 100.00
CoS Package business Data Svc - 900 Mbps	18419	\$ 100.00	\$ 2,546.74	Port	\$ 100.00
CoS Package business Data Svc - 1000 Mbps	18420	\$ 100.00	\$ 2,751.56	Port	\$ 100.00
<b>AVPN Unilink</b>					
MPLS Unilink Charge - 56 Kbps	18428	\$ 100.00	\$ 4.62	Port	\$ 100.00
MPLS Unilink Charge - 64 Kbps	18429	\$ 100.00	\$ 6.02	Port	\$ 100.00
MPLS Unilink Charge - 128 Kbps	18430	\$ 100.00	\$ 9.10	Port	\$ 100.00
MPLS Unilink Charge - 192 Kbps	18431	\$ 100.00	\$ 11.76	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS Unilink Charge - 256 Kbps	18432	\$ 100.00	\$ 15.54	Port	\$ 100.00
MPLS Unilink Charge - 320 Kbps	18433	\$ 100.00	\$ 17.22	Port	\$ 100.00
MPLS Unilink Charge - 384 Kbps	18434	\$ 100.00	\$ 19.04	Port	\$ 100.00
MPLS Unilink Charge - 448 Kbps	18435	\$ 100.00	\$ 21.00	Port	\$ 100.00
MPLS Unilink Charge - 512 Kbps	18436	\$ 100.00	\$ 22.96	Port	\$ 100.00
MPLS Unilink Charge - 576 Kbps	18437	\$ 100.00	\$ 23.80	Port	\$ 100.00
MPLS Unilink Charge - 640 Kbps	18438	\$ 100.00	\$ 24.64	Port	\$ 100.00
MPLS Unilink Charge - 704 Kbps	18439	\$ 100.00	\$ 25.48	Port	\$ 100.00
MPLS Unilink Charge - 768 Kbps	18440	\$ 100.00	\$ 26.32	Port	\$ 100.00
MPLS Unilink Charge - 1024 Kbps	18441	\$ 100.00	\$ 26.60	Port	\$ 100.00
MPLS Unilink Charge - 1.544 Mbps	18442	\$ 100.00	\$ 26.88	Port	\$ 100.00
MPLS Unilink Charge - 3.088 Mbps	18446	\$ 100.00	\$ 42.56	Port	\$ 100.00
MPLS Unilink Charge - 4.632 Mbps	18448	\$ 100.00	\$ 55.86	Port	\$ 100.00
MPLS Unilink Charge - 5 Mbps	18451	\$ 100.00	\$ 60.20	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS Unilink Charge - 6.176 Mbps	18450	\$ 100.00	\$ 64.26	Port	\$ 100.00
MPLS Unilink Charge - 7.720 Mbps	18452	\$ 100.00	\$ 72.66	Port	\$ 100.00
MPLS Unilink Charge - 9.264 Mbps	18454	\$ 100.00	\$ 80.36	Port	\$ 100.00
MPLS Unilink Charge - 10 Mbps	18455	\$ 100.00	\$ 84.00	Port	\$ 100.00
MPLS Unilink Charge - 10.808 Mbps	18457	\$ 100.00	\$ 87.50	Port	\$ 100.00
MPLS Unilink Charge - 12.352 Mbps	18459	\$ 100.00	\$ 94.50	Port	\$ 100.00
MPLS Unilink Charge - 15 Mbps	18461	\$ 100.00	\$ 97.44	Port	\$ 100.00
MPLS Unilink Charge - 20 Mbps	18463	\$ 100.00	\$ 124.18	Port	\$ 100.00
MPLS Unilink Charge - 25 Mbps	18464	\$ 100.00	\$ 153.72	Port	\$ 100.00
MPLS Unilink Charge - 30 Mbps	18465	\$ 100.00	\$ 178.78	Port	\$ 100.00
MPLS Unilink Charge - 45 Mbps	18469	\$ 100.00	\$ 225.26	Port	\$ 100.00
MPLS Unilink Charge - 50 Mbps	18466	\$ 100.00	\$ 278.32	Port	\$ 100.00
MPLS Unilink Charge - 75 Mbps	18467	\$ 100.00	\$ 390.18	Port	\$ 100.00
MPLS Unilink Charge - 100 Mbps	18470	\$ 100.00	\$ 478.80	Port	\$ 100.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
MPLS Unilink Charge - 155 Mbps	18471	\$ 100.00	\$ 639.10	Port	\$ 100.00
MPLS Unilink Charge - 200 Mbps	18472	\$ 100.00	\$ 871.78	Port	\$ 100.00
MPLS Unilink Charge - 300 Mbps	18473	\$ 100.00	\$ 1,068.48	Port	\$ 100.00
MPLS Unilink Charge - 400 Mbps	18474	\$ 100.00	\$ 1,265.04	Port	\$ 100.00
MPLS Unilink Charge - 622 Mbps	18477	\$ 100.00	\$ 1,697.22	Port	\$ 100.00

**AVPN Managed Router Features and Options**

\*\*\* Note: Non-Recurring Charge applies per physical dispatch.

Feature Name	Identifier	Non-Recurring Charge ***	Recurring Charge	Unit of measure	Change Charge
<b>AVPN Managed Router (AT&amp;T Owned)</b>					
AVPN Managed Router (AT&T Owned) – Basic	18495	\$ 1,500.00	\$ 324.80	Router	\$ 1,500.00
AVPN Managed Router (AT&T Owned) – Small	18496	\$ 1,500.00	\$ 409.85	Router	\$ 1,500.00
AVPN Managed Router (AT&T Owned) – Medium	18497	\$ 1,500.00	\$ 460.52	Router	\$ 1,500.00
AVPN Managed Router (AT&T Owned) – Large	18498	\$ 1,500.00	\$ 928.33	Router	\$ 1,500.00
AVPN Managed Router (AT&T Owned) – XLarge	18499	\$ 1,500.00	\$ 1,087.80	Router	\$ 1,500.00

Feature Name	Identifier	Non-Recurring Charge ***	Recurring Charge	Unit of measure	Change Charge
AVPN Managed Router (AT&T Owned) – XLarge +	18500	\$ 1,500.00	\$ 1,940.65	Router	\$ 1,500.00
Lost Equipment Charge for AT&T Owned CPE	N/A	Residual Value of Lost CPE	N/A	N/A	N/A
<b>Customer-Owned/AT&amp;T-Managed Option</b>					
AVPN Managed Router (Customer Owned) – Basic	18522	\$ 1,500.00	\$ 243.60	Router	\$ 1,500.00
AVPN Managed Router (Customer Owned) – Small	18523	\$ 1,500.00	\$ 308.00	Router	\$ 1,500.00
AVPN Managed Router (Customer Owned) – Medium	18524	\$ 1,500.00	\$ 366.85	Router	\$ 1,500.00
AVPN Managed Router (Customer Owned) – Large	18525	\$ 1,500.00	\$ 769.60	Router	\$ 1,500.00
AVPN Managed Router (Customer Owned) – XLarge	18526	\$ 1,500.00	\$ 925.00	Router	\$ 1,500.00
AVPN Managed Router (Customer Owned) – XLarge +	18527	\$ 1,500.00	\$ 1,628.00	Router	\$ 1,500.00
<b>AVPN Managed Internal CSU (AT&amp;T Owned)</b>					
AVPN Managed Internal CSU (AT&T Owned) – 56Kbps	18487	\$ 1,500.00	\$ 44.80	CSU	\$ 1,500.00
AVPN Managed Internal CSU (AT&T Owned) – T1/E1	18488	\$ 1,500.00	\$ 52.80	CSU	\$ 1,500.00
AVPN Managed Internal	18489	\$ 1,500.00	\$ 112.00	CSU	\$ 1,500.00

Feature Name	Identifier	Non-Recurring Charge ***	Recurring Charge	Unit of measure	Change Charge
CSU (AT&T Owned) - T3/E3 FR					
AVPN Managed Internal CSU (AT&T Owned) - NXT1/NXE1 ATM	19925	\$ 1,500.00	\$ 32.00	CSU	\$ 1,500.00
AVPN Managed Internal CSU (AT&T Owned) - NXT1/NXE1 ATM	19926	\$ 1,500.00	\$ 44.80	CSU	\$ 1,500.00
AVPN Managed Internal CSU (AT&T Owned) - NXT1/NXE1 PPP	19927	\$ 1,500.00	\$ 25.60	CSU	\$ 1,500.00
AVPN Managed Internal CSU (AT&T Owned) - T3/E3 ATM	19928	\$ 1,500.00	\$ 112.00	CSU	\$ 1,500.00
AVPN Managed Internal CSU (AT&T Owned) - T3/E3 PPP					
<b>AVPN Managed Internal CSU (Customer Owned)</b>					
AVPN Managed Internal CSU (Customer Owned) - 56Kbps	21924	\$ 1,500.00	\$ 36.48	CSU	\$ 1,500.00
AVPN Managed Internal CSU (Customer Owned) - T1	21924	\$ 1,500.00	\$ 36.48	CSU	\$ 1,500.00
AVPN Managed Internal CSU (Customer Owned) - T3	21919	\$ 1,500.00	\$ 51.84	CSU	\$ 1,500.00
AVPN Managed Internal CSU (Customer Owned) - NXT1/NXE1 ATM	21918	\$ 1,500.00	\$ 36.48	CSU	\$ 1,500.00
<b>AT&amp;T Owned and Managed External CSU</b>					
AVPN Managed External	19932	\$ 1,500.00	\$ 211.20	CSU	\$ 1,500.00

Feature Name	Identifier	Non-Recurring Charge ***	Recurring Charge	Unit of measure	Change Charge
CSU - 56 Kbps					
AVPN Managed External CSU - T1	19933	\$ 1,500.00	\$ 211.20	CSU	\$ 1,500.00
AVPN Managed External CSU - NXT1/NXE1 PPP	19935	\$ 1,500.00	\$ 736.00	CSU	\$ 1,500.00
AVPN Managed External CSU T3 FR	19937	\$ 1,500.00	\$ 1,376.00	CSU	\$ 1,500.00
AVPN Managed External CSU T3/E3 ATM	19936	\$ 1,500.00	\$ 1,376.00	CSU	\$ 1,500.00
AVPN Managed External CSU T3/E3 FR	19938	\$ 1,500.00	\$ 1,376.00	CSU	\$ 1,500.00
<b>Reports</b>					
AVPN Managed Enhanced Reports	19947	\$ 1,500.00	\$ 48.00	Per External CSU	\$ 1,500.00
<b>AVPN Managed (AT&amp;T Owned) Additional Router Features:</b>					
AVPN Managed (AT&T Owned) (AT&T Owned) Router - Additional Protocol Support	18502	\$ 1,500.00	\$ 38.40	Protocol	\$ 1,500.00
AVPN Managed (AT&T Owned) Router - Additional Serial Port	18517	\$ 1,500.00	\$ 34.88	Port	\$ 1,500.00
AVPN Managed (AT&T Owned) Router - Additional LAN Port	18518	\$ 1,500.00	\$ 144.00	Port	\$ 1,500.00
AVPN Managed (AT&T Owned) Router - Additional Memory up to XL	18516	\$ 1,500.00	\$ 184.00	Memory Upgrade	\$ 1,500.00

Feature Name	Identifier	Non-Recurring Charge ***	Recurring Charge	Unit of measure	Change Charge
AVPN Managed (AT&T Owned) Router- ISDN Backup BRI	19728	\$ 1,500.00	\$ 41.60	Port	\$ 1,500.00
AVPN Managed (AT&T Owned) Router-ISDN Backup PRI	19729	\$ 1,500.00	\$ 192.00	Port	\$ 1,500.00
<b>AVPN Managed (Customer Owned) Additional Router</b>					
<b>Features:</b>					
AVPN Managed (Customer Owned) Router - Additional Protocol Support	21917	\$ 1,500.00	\$ 55.04	Protocol	\$ 1,500.00
AVPN Managed (Customer Owned) Router - Additional Serial Port	21924	\$ 1,500.00	\$ 36.48	Port	\$ 1,500.00
AVPN Managed (Customer Owned) Router - Additional LAN Port	21925	\$ 1,500.00	\$ 40.32	Port	\$ 1,500.00
AVPN Managed (Customer Owned) Router - Additional Memory up to XL	21923	\$ 1,500.00	\$ 46.72	Memory Upgrade	\$ 1,500.00
AVPN Managed (Customer Owned) Router- ISDN Backup BRI	21920	\$ 1,500.00	\$ 36.48	Port	\$ 1,500.00
AVPN Managed (Customer Owned) Router- ISDN Backup PRI	21921	\$ 1,500.00	\$ 36.48	Port	\$ 1,500.00

**ANIRA**

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
ANIRA -IPSec Hourly Analog	6970	\$ -	\$ 0.49	hourly	\$ -
ANIRA - IPSec Hourly ISDN	6982	\$ -	\$ 0.49	b-chan/hour	\$ -
ANIRA - IPSec Toll-Free	6994	\$ -	\$ 0.49	hourly	\$ -
ANIRA - IPSec Monthly Analog	17563	\$ -	\$ 14.38	monthly	\$ -
ANIRA IPSec - Monthly Excess	17564	\$ -	\$ 1.00	hourly	\$ -
ANIRA – Third Party Access	16940	\$ -	\$ 4.00	user/month	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 64Kbps	17573	\$ -	\$ 46.80	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 128Kbps	17574	\$ -	\$ 84.48	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 192Kbps	17575	\$ -	\$ 121.80	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 256Kbps	17576	\$ -	\$ 157.68	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 320Kbps	17577	\$ -	\$ 198.00	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II)	17578	\$ -	\$ 235.40	connection	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
384Kbps					
ANIRA – Bandwidth Connection Charge (Type II)	17579	\$ -	\$ 269.64	connection	\$ -
448Kbps					
ANIRA – Bandwidth Connection Charge (Type II)	17580	\$ -	\$ 302.40	connection	\$ -
512Kbps					
ANIRA – Bandwidth Connection Charge (Type II)	17581	\$ -	\$ 317.72	connection	\$ -
576Kbps					
ANIRA – Bandwidth Connection Charge (Type II)	17582	\$ -	\$ 333.12	connection	\$ -
640Kbps					
ANIRA – Bandwidth Connection Charge (Type II)	17583	\$ -	\$ 344.96	connection	\$ -
704Kbps					
ANIRA – Bandwidth Connection Charge (Type II)	17584	\$ -	\$ 355.00	connection	\$ -
768Kbps					
ANIRA – Bandwidth Connection Charge (Type II)	17585	\$ -	\$ 362.10	connection	\$ -
832Kbps					
ANIRA – Bandwidth Connection Charge (Type II)	17586	\$ -	\$ 370.24	connection	\$ -
896Kbps					
ANIRA – Bandwidth Connection Charge (Type II)	17587	\$ -	\$ 379.48	connection	\$ -
960Kbps					

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
ANIRA – Bandwidth Connection Charge (Type II) 1024Kbps	17588	\$ -	\$ 394.90	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 1536Kbps	17589	\$ -	\$ 557.70	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 2Mbps	17590	\$ -	\$ 686.40	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 3Mbps	17591	\$ -	\$ 723.80	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 4Mbps	17592	\$ -	\$ 965.80	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 5Mbps	17593	\$ -	\$ 1,206.70	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 6Mbps	17594	\$ -	\$ 1,447.60	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 7Mbps	17595	\$ -	\$ 1,688.50	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 8Mbps	17596	\$ -	\$ 1,929.40	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 9Mbps	17597	\$ -	\$ 2,170.30	connection	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
ANIRA – Bandwidth Connection Charge (Type II) 10Mbps	17598	\$ -	\$ 2,411.20	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 15Mbps	17599	\$ -	\$ 3,481.50	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 20Mbps	17600	\$ -	\$ 4,640.90	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 25Mbps	17601	\$ -	\$ 5,801.40	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 30Mbps	17602	\$ -	\$ 6,957.50	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 35Mbps	17603	\$ -	\$ 8,121.30	connection	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 40Mbps	17604	\$ -	\$ 9,281.80	connection	\$ -
ANIRA - Managed Broadband Multi-User Service 144Kbps	17644	\$ 600.00	\$ 170.96	monthly	\$ 300.00
ANIRA - Managed Broadband Multi-User Service 192Kbps	17645	\$ 600.00	\$ 170.96	monthly	\$ 300.00
ANIRA - Managed Broadband Multi-User Service 384Kbps	17646	\$ 600.00	\$ 191.96	monthly	\$ 300.00

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
ANIRA - Managed Broadband Multi-User Service 768Kbps	17648	\$ 600.00	\$ 247.96	monthly	\$ 300.00
ANIRA - Managed Broadband Multi-User Service 1.1Mbps	17649	\$ 600.00	\$ 175.48	monthly	\$ 300.00
ANIRA - Managed Broadband Multi-User Service 1.5Mbps	17650	\$ 600.00	\$ 197.98	monthly	\$ 300.00
ANIRA -Managed Broadband Single User Service (ADSL and IDSL) 768/128Kbps	17650a	\$ 300.00	\$ 55.96	monthly	\$ 150.00
ANIRA -Managed Broadband Single User Service (ADSL and IDSL) 1.5M/384Kbps	17650b	\$ 300.00	\$ 51.96	monthly	\$ 150.00
ANIRA -Managed Broadband Single User Service (ADSL and IDSL)144/144Kbps	17643	\$ 600.00	\$ 111.96	monthly	\$ 300.00
Managed Broadband Multi-User VPN Device	17650c	\$ -	\$ 36.90	monthly	\$ -
ANIRA - Extended Access and WI-FI/Wired Ethernet	15172		\$ 5.95	hourly	\$ -
ANIRA - WiFi Access	17164		\$ 6.25	hourly	\$ -
<b>NBFW</b>					

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 1.5Mbps L1	17819	\$ 875.00	\$ 1,381.25	connection	\$ -
NBFW – Connection Bandwidth 2Mbps L1	17820	\$ 875.00	\$ 1,589.25	connection	\$ -
NBFW – Connection Bandwidth 3Mbps L1	17821	\$ 875.00	\$ 2,101.45	connection	\$ -
NBFW – Connection Bandwidth 4Mbps L1	17822	\$ 875.00	\$ 2,548.00	connection	\$ -
NBFW – Connection Bandwidth 5Mbps L1	17823	\$ 875.00	\$ 2,746.25	connection	\$ -
NBFW – Connection Bandwidth 6Mbps L1	17824	\$ 875.00	\$ 3,077.75	connection	\$ -
NBFW – Connection Bandwidth 7Mbps L1	17825	\$ 875.00	\$ 3,474.25	connection	\$ -
NBFW – Connection Bandwidth 8Mbps L1	17826	\$ 875.00	\$ 3,848.00	connection	\$ -
NBFW – Connection Bandwidth 9Mbps L1	17827	\$ 875.00	\$ 4,221.75	connection	\$ -
NBFW – Connection Bandwidth 10Mbps L1	17828	\$ 875.00	\$ 4,550.00	connection	\$ -
NBFW – Connection Bandwidth 15Mbps L1	17829	\$ 875.00	\$ 5,863.00	connection	\$ -
NBFW – Connection Bandwidth 20Mbps L1	17830	\$ 875.00	\$ 7,059.00	connection	\$ -
NBFW – Connection Bandwidth 25Mbps L1	17831	\$ 875.00	\$ 8,277.75	connection	\$ -
NBFW – Connection Bandwidth 30Mbps L1	17832	\$ 875.00	\$ 9,473.75	connection	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 35Mbps L1	17833	\$ 875.00	\$ 10,692.50	connection	\$ -
NBFW – Connection Bandwidth 40Mbps L1	17834	\$ 875.00	\$ 11,891.75	connection	\$ -
NBFW – Connection Bandwidth 45Mbps L1	17835	\$ 875.00	\$ 13,110.50	connection	\$ -
NBFW – Connection Bandwidth 1.5Mbps L2	17836	\$ 1,250.00	\$ 1,625.00	connection	\$ -
NBFW – Connection Bandwidth 2Mbps L2	17837	\$ 1,250.00	\$ 1,833.00	connection	\$ -
NBFW – Connection Bandwidth 3Mbps L2	17838	\$ 1,250.00	\$ 2,369.25	connection	\$ -
NBFW – Connection Bandwidth 4Mbps L2	17839	\$ 1,250.00	\$ 2,840.50	connection	\$ -
NBFW – Connection Bandwidth 5Mbps L2	17840	\$ 1,250.00	\$ 3,087.50	connection	\$ -
NBFW – Connection Bandwidth 6Mbps L2	17841	\$ 1,250.00	\$ 3,467.75	connection	\$ -
NBFW – Connection Bandwidth 7Mbps L2	17842	\$ 1,250.00	\$ 3,913.00	connection	\$ -
NBFW – Connection Bandwidth 8Mbps L2	17843	\$ 1,250.00	\$ 4,335.50	connection	\$ -
NBFW – Connection Bandwidth 9Mbps L2	17844	\$ 1,250.00	\$ 4,758.00	connection	\$ -
NBFW – Connection Bandwidth 10Mbps L2	17845	\$ 1,250.00	\$ 5,135.00	connection	\$ -
NBFW – Connection Bandwidth 15Mbps L2	17846	\$ 1,250.00	\$ 6,545.50	connection	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 20Mbps L2	17847	\$ 1,250.00	\$ 7,790.25	connection	\$ -
NBFW – Connection Bandwidth 25Mbps L2	17848	\$ 1,250.00	\$ 9,057.75	connection	\$ -
NBFW – Connection Bandwidth 30Mbps L2	17849	\$ 1,250.00	\$ 10,302.50	connection	\$ -
NBFW – Connection Bandwidth 35Mbps L2	17850	\$ 1,250.00	\$ 11,570.00	connection	\$ -
NBFW – Connection Bandwidth 40Mbps L2	17851	\$ 1,250.00	\$ 12,818.00	connection	\$ -
NBFW – Connection Bandwidth 45Mbps L2	17852	\$ 1,250.00	\$ 14,085.50	connection	\$ -
NBFW – Connection Bandwidth 1.5Mbps L3	17853	\$ 2,500.00	\$ 2,437.50	connection	\$ -
NBFW – Connection Bandwidth 2Mbps L3	17854	\$ 2,500.00	\$ 2,645.50	connection	\$ -
NBFW – Connection Bandwidth 3Mbps L3	17855	\$ 2,500.00	\$ 3,263.00	connection	\$ -
NBFW – Connection Bandwidth 4Mbps L3	17856	\$ 2,500.00	\$ 3,815.50	connection	\$ -
NBFW – Connection Bandwidth 5Mbps L3	17857	\$ 2,500.00	\$ 4,225.00	connection	\$ -
NBFW – Connection Bandwidth 6Mbps L3	17858	\$ 2,500.00	\$ 4,767.75	connection	\$ -
NBFW – Connection Bandwidth 7Mbps L3	17859	\$ 2,500.00	\$ 5,375.50	connection	\$ -
NBFW – Connection Bandwidth 8Mbps L3	17860	\$ 2,500.00	\$ 5,960.50	connection	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 9Mbps L3	17861	\$ 2,500.00	\$ 6,545.50	connection	\$ -
NBFW – Connection Bandwidth 10Mbps L3	17862	\$ 2,500.00	\$ 7,085.00	connection	\$ -
NBFW – Connection Bandwidth 15Mbps L3	17863	\$ 2,500.00	\$ 8,820.50	connection	\$ -
NBFW – Connection Bandwidth 20Mbps L3	17864	\$ 2,500.00	\$ 10,227.75	connection	\$ -
NBFW – Connection Bandwidth 25Mbps L3	17865	\$ 2,500.00	\$ 11,657.75	connection	\$ -
NBFW – Connection Bandwidth 30Mbps L3	17866	\$ 2,500.00	\$ 13,065.00	connection	\$ -
NBFW – Connection Bandwidth 35Mbps L3	17867	\$ 2,500.00	\$ 14,495.00	connection	\$ -
NBFW – Connection Bandwidth 40Mbps L3	17868	\$ 2,500.00	\$ 15,905.50	connection	\$ -
NBFW – Connection Bandwidth 45Mbps L3	17869	\$ 2,500.00	\$ 17,335.50	connection	\$ -
NBFW – Connection Bandwidth 1.5Mbps L4	17870	\$ 3,750.00	\$ 3,250.00	connection	\$ -
NBFW – Connection Bandwidth 2Mbps L4	17871	\$ 3,750.00	\$ 3,458.00	connection	\$ -
NBFW – Connection Bandwidth 3Mbps L4	17872	\$ 3,750.00	\$ 4,156.75	connection	\$ -
NBFW – Connection Bandwidth 4Mbps L4	17873	\$ 3,750.00	\$ 4,790.50	connection	\$ -
NBFW – Connection Bandwidth 5Mbps L4	17874	\$ 3,750.00	\$ 5,362.50	connection	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 6Mbps L4	17875	\$ 3,750.00	\$ 6,067.75	connection	\$ -
NBFW – Connection Bandwidth 7Mbps L4	17876	\$ 3,750.00	\$ 6,838.00	connection	\$ -
NBFW – Connection Bandwidth 8Mbps L4	17877	\$ 3,750.00	\$ 7,585.50	connection	\$ -
NBFW – Connection Bandwidth 9Mbps L4	17878	\$ 3,750.00	\$ 8,333.00	connection	\$ -
NBFW – Connection Bandwidth 10Mbps L4	17879	\$ 3,750.00	\$ 9,035.00	connection	\$ -
NBFW – Connection Bandwidth 15Mbps L4	17880	\$ 3,750.00	\$ 11,095.50	connection	\$ -
NBFW – Connection Bandwidth 20Mbps L4	17881	\$ 3,750.00	\$ 12,665.25	connection	\$ -
NBFW – Connection Bandwidth 25Mbps L4	17882	\$ 3,750.00	\$ 14,257.75	connection	\$ -
NBFW – Connection Bandwidth 30Mbps L4	17883	\$ 3,750.00	\$ 15,827.50	connection	\$ -
NBFW – Connection Bandwidth 35Mbps L4	17884	\$ 3,750.00	\$ 17,420.00	connection	\$ -
NBFW – Connection Bandwidth 40Mbps L4	17885	\$ 3,750.00	\$ 18,993.00	connection	\$ -
NBFW – Connection Bandwidth 45Mbps L4	17886	\$ 3,750.00	\$ 20,585.50	connection	\$ -
NBFW – Connection Bandwidth 1.5Mbps L5	17887	\$ 6,250.00	\$ 4,875.00	connection	\$ -
NBFW – Connection Bandwidth 2Mbps L5	17888	\$ 6,250.00	\$ 5,083.00	connection	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 3Mbps L5	17889	\$ 6,250.00	\$ 5,944.25	connection	\$ -
NBFW – Connection Bandwidth 4Mbps L5	17890	\$ 6,250.00	\$ 6,740.50	connection	\$ -
NBFW – Connection Bandwidth 5Mbps L5	17891	\$ 6,250.00	\$ 7,637.50	connection	\$ -
NBFW – Connection Bandwidth 6Mbps L5	17892	\$ 6,250.00	\$ 8,667.75	connection	\$ -
NBFW – Connection Bandwidth 7Mbps L5	17893	\$ 6,250.00	\$ 9,763.00	connection	\$ -
NBFW – Connection Bandwidth 8Mbps L5	17894	\$ 6,250.00	\$ 10,835.50	connection	\$ -
NBFW – Connection Bandwidth 9Mbps L5	17895	\$ 6,250.00	\$ 11,908.00	connection	\$ -
NBFW – Connection Bandwidth 10Mbps L5	17896	\$ 6,250.00	\$ 12,935.00	connection	\$ -
NBFW – Connection Bandwidth 15Mbps L5	17897	\$ 6,250.00	\$ 15,645.50	connection	\$ -
NBFW – Connection Bandwidth 20Mbps L5	17898	\$ 6,250.00	\$ 17,540.25	connection	\$ -
NBFW – Connection Bandwidth 25Mbps L5	17899	\$ 6,250.00	\$ 19,457.75	connection	\$ -
NBFW – Connection Bandwidth 30Mbps L5	17900	\$ 6,250.00	\$ 21,352.50	connection	\$ -
NBFW – Connection Bandwidth 35Mbps L5	17901	\$ 6,250.00	\$ 23,270.00	connection	\$ -
NBFW – Connection Bandwidth 40Mbps L5	17902	\$ 6,250.00	\$ 25,168.00	connection	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 45Mbps L5	17903	\$ 6,250.00	\$ 27,085.50	connection	\$ -
NBFW - URL Filtering 100 Users	17904	\$ 250.00	\$ 70.00	users/month	\$ -
NBFW - URL Filtering 500 Users	17905	\$ 250.00	\$ 245.00	users/month	\$ -
NBFW - URL Filtering 1000 Users	17906	\$ 250.00	\$ 350.00	users/month	\$ -
NBFW - URL Filtering 3000 Users	17907	\$ 250.00	\$ 630.00	users/month	\$ -
NBFW - URL Filtering 5000 Users	17908	\$ 250.00	\$ 875.00	users/month	\$ -
NBFW - URL Filtering Unlimited	17909	\$ 250.00	\$ 1,750.00	users/month	\$ -
NBFW - Multiple Site Handling Outbound level 2 only	NBFW02	\$ 1,250.00	\$ 1,050.00	sdc/month	\$ -
NBFW - Multiple Site Handling Outbound/Inbound level 3-5	NBFW12	\$ 2,500.00	\$ 1,750.00	sdc/month	\$ -
NBFW - Additional Public IP Addresses Block of 4	17920	\$ 125.00	\$ 125.00	block/month	\$ -
NBFW - Additional Public IP Addresses Block of 256	17922	\$ 1,250.00	\$ 350.00	block/month	\$ -
NBFW - Additional Secure Networks 1-10	17918b	\$ 250.00	\$ 525.00	net/mo	\$ -
NBFW - Additional Secure Networks 10 Up	17918a	ICB	ICB	net/mo	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW - Site Failover	17928	\$ 1,250.00	\$ 1,050.00	site/mo	\$ -
NBFW - Additional Firewall Rules block of 5	17930	\$ 250.00	\$ 140.00	block/month	\$ -
NBFW - Premium Time 8 hour block	17932	\$ 1,000.00	ICB	block/month	\$ -

See Required CPE and Other Equipment for descriptions of additional equipment and service offered

### 6.1.3.9 Service Identifier: DSL Virtual Private Network

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
DSL VPN site-to-site connectivity solutions (non-Internet traversing)					
DSL VPN Expedite option	AVDLEXP	\$ 500.00	N/A	occurrence	N/A
DSL VPN Change Charge	18579	\$ 500.00	\$ -	n/a	\$ -
DSL VPN Disconnect Charge	18581	\$ 500.00	\$ -	n/a	\$ -
AVPN MPLS SDSL 128K	18571	\$ 600.00	\$ 150.70	each	N/A
AVPN MPLS SDSL 256K	18572	\$ 600.00	\$ 177.10	each	\$ -
AVPN MPLS SDSL 384K	18573	\$ 600.00	\$ 191.40	each	\$ -
AVPN MPLS SDSL 768K	18574	\$ 600.00	\$ 267.30	each	\$ -
AVPN MPLS SDSL 1M	18575	\$ 600.00	\$ 300.30	each	\$ -
AVPN MPLS SDSL 1.5M	18576	\$ 600.00	\$ 341.20	each	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
AVPN MPLS ADSL Line Shared Connection 384K/384K	19837	\$ 600.00	\$ 183.92	each	\$ -
AVPN MPLS ADSL Line Shared Connection 1.5M/384K	18577	\$ 600.00	\$ 229.90	each	\$ -
AVPN MPLS ADSL Line Shared Connection 3.072M/384K	19838	\$ 600.00	\$ 265.98	each	\$ -
AVPN MPLS ADSL Line Shared Connection 3.072M/768K	19839	\$ 600.00	\$ 280.06	each	\$ -
AVPN MPLS ADSL Line Shared Connection 6.144M/768K	19840	\$ 600.00	\$ 377.08	each	\$ -
ANIRA -IPSec Hourly Analog	6970	\$ -	\$ 0.49	hourly	\$ -
ANIRA - IPSec Hourly ISDN	6982	\$ -	\$ 0.49	b-chan/hour	\$ -
ANIRA - IPSec Toll-Free	6994	\$ -	\$ 0.49	hourly	\$ -
ANIRA - IPSec Monthly Analog	17563	\$ -	\$ 14.38	monthly	\$ -
ANIRA IPsec - Monthly Excess	17564	\$ -	\$ 1.00	hourly	\$ -
ANIRA – Third Party Access	16940	\$ -	\$ 4.00	user/month	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 64Kbps	17573	\$ -	\$ 46.80	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 128Kbps	17574	\$ -	\$ 84.48	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 192Kbps	17575	\$ -	\$ 121.80	monthly	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
ANIRA – Bandwidth Connection Charge (Type II) 256Kbps	17576	\$ -	\$ 157.68	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 320Kbps	17577	\$ -	\$ 198.00	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 384Kbps	17578	\$ -	\$ 235.40	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 448Kbps	17579	\$ -	\$ 269.64	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 512Kbps	17580	\$ -	\$ 302.40	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 576Kbps	17581	\$ -	\$ 317.72	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 640Kbps	17582	\$ -	\$ 333.12	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 704Kbps	17583	\$ -	\$ 344.96	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 768Kbps	17584	\$ -	\$ 355.00	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 832Kbps	17585	\$ -	\$ 362.10	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 896Kbps	17586	\$ -	\$ 370.24	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 960Kbps	17587	\$ -	\$ 379.48	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 1024Kbps	17588	\$ -	\$ 394.90	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 1536Kbps	17589	\$ -	\$ 557.70	monthly	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
ANIRA – Bandwidth Connection Charge (Type II) 2Mbps	17590	\$ -	\$ 686.40	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 3Mbps	17591	\$ -	\$ 723.80	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 4Mbps	17592	\$ -	\$ 965.80	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 5Mbps	17593	\$ -	\$ 1,206.70	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 6Mbps	17594	\$ -	\$ 1,447.60	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 7Mbps	17595	\$ -	\$ 1,688.50	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 8Mbps	17596	\$ -	\$ 1,929.40	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 9Mbps	17597	\$ -	\$ 2,170.30	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 10Mbps	17598	\$ -	\$ 2,411.20	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 15Mbps	17599	\$ -	\$ 3,481.50	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 20Mbps	17600	\$ -	\$ 4,640.90	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 25Mbps	17601	\$ -	\$ 5,801.40	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 30Mbps	17602	\$ -	\$ 6,957.50	monthly	\$ -
ANIRA – Bandwidth Connection Charge (Type II) 35Mbps	17603	\$ -	\$ 8,121.30	monthly	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
ANIRA – WiFi Access	17164		\$ 6.25	hourly	\$ -
NBFW – Connection Bandwidth 1.5Mbps L1	17819	\$ 875.00	\$ 1,381.25	monthly	\$ -
NBFW – Connection Bandwidth 2Mbps L1	17820	\$ 875.00	\$ 1,589.25	monthly	\$ -
NBFW – Connection Bandwidth 3Mbps L1	17821	\$ 875.00	\$ 2,101.45	monthly	\$ -
NBFW – Connection Bandwidth 4Mbps L1	17822	\$ 875.00	\$ 2,548.00	monthly	\$ -
NBFW – Connection Bandwidth 5Mbps L1	17823	\$ 875.00	\$ 2,746.25	monthly	\$ -
NBFW – Connection Bandwidth 6Mbps L1	17824	\$ 875.00	\$ 3,077.75	monthly	\$ -
NBFW – Connection Bandwidth 7Mbps L1	17825	\$ 875.00	\$ 3,474.25	monthly	\$ -
NBFW – Connection Bandwidth 8Mbps L1	17826	\$ 875.00	\$ 3,848.00	monthly	\$ -
NBFW – Connection Bandwidth 9Mbps L1	17827	\$ 875.00	\$ 4,221.75	monthly	\$ -
NBFW – Connection Bandwidth 10Mbps L1	17828	\$ 875.00	\$ 4,550.00	monthly	\$ -
NBFW – Connection Bandwidth 15Mbps L1	17829	\$ 875.00	\$ 5,863.00	monthly	\$ -
NBFW – Connection Bandwidth 20Mbps L1	17830	\$ 875.00	\$ 7,059.00	monthly	\$ -
NBFW – Connection Bandwidth 25Mbps L1	17831	\$ 875.00	\$ 8,277.75	monthly	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 30Mbps L1	17832	\$ 875.00	\$ 9,473.75	monthly	\$ -
NBFW – Connection Bandwidth 35Mbps L1	17833	\$ 875.00	\$ 10,692.50	monthly	\$ -
NBFW – Connection Bandwidth 40Mbps L1	17834	\$ 875.00	\$ 11,891.75	monthly	\$ -
NBFW – Connection Bandwidth 45Mbps L1	17835	\$ 875.00	\$ 13,110.50	monthly	\$ -
NBFW – Connection Bandwidth 1.5Mbps L2	17836	\$ 1,250.00	\$ 1,625.00	monthly	\$ -
NBFW – Connection Bandwidth 2Mbps L2	17837	\$ 1,250.00	\$ 1,833.00	monthly	\$ -
NBFW – Connection Bandwidth 3Mbps L2	17838	\$ 1,250.00	\$ 2,369.25	monthly	\$ -
NBFW – Connection Bandwidth 4Mbps L2	17839	\$ 1,250.00	\$ 2,840.50	monthly	\$ -
NBFW – Connection Bandwidth 5Mbps L2	17840	\$ 1,250.00	\$ 3,087.50	monthly	\$ -
NBFW – Connection Bandwidth 6Mbps L2	17841	\$ 1,250.00	\$ 3,467.75	monthly	\$ -
NBFW – Connection Bandwidth 7Mbps L2	17842	\$ 1,250.00	\$ 3,913.00	monthly	\$ -
NBFW – Connection Bandwidth 8Mbps L2	17843	\$ 1,250.00	\$ 4,335.50	monthly	\$ -
NBFW – Connection Bandwidth 9Mbps L2	17844	\$ 1,250.00	\$ 4,758.00	monthly	\$ -
NBFW – Connection Bandwidth 10Mbps L2	17845	\$ 1,250.00	\$ 5,135.00	monthly	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 15Mbps L2	17846	\$ 1,250.00	\$ 6,545.50	monthly	\$ -
NBFW – Connection Bandwidth 20Mbps L2	17847	\$ 1,250.00	\$ 7,790.25	monthly	\$ -
NBFW – Connection Bandwidth 25Mbps L2	17848	\$ 1,250.00	\$ 9,057.75	monthly	\$ -
NBFW – Connection Bandwidth 30Mbps L2	17849	\$ 1,250.00	\$ 10,302.50	monthly	\$ -
NBFW – Connection Bandwidth 35Mbps L2	17850	\$ 1,250.00	\$ 11,570.00	monthly	\$ -
NBFW – Connection Bandwidth 40Mbps L2	17851	\$ 1,250.00	\$ 12,818.00	monthly	\$ -
NBFW – Connection Bandwidth 45Mbps L2	17852	\$ 1,250.00	\$ 14,085.50	monthly	\$ -
NBFW – Connection Bandwidth 1.5Mbps L3	17853	\$ 2,500.00	\$ 2,437.50	monthly	\$ -
NBFW – Connection Bandwidth 2Mbps L3	17854	\$ 2,500.00	\$ 2,645.50	monthly	\$ -
NBFW – Connection Bandwidth 3Mbps L3	17855	\$ 2,500.00	\$ 3,263.00	monthly	\$ -
NBFW – Connection Bandwidth 4Mbps L3	17856	\$ 2,500.00	\$ 3,815.50	monthly	\$ -
NBFW – Connection Bandwidth 5Mbps L3	17857	\$ 2,500.00	\$ 4,225.00	monthly	\$ -
NBFW – Connection Bandwidth 6Mbps L3	17858	\$ 2,500.00	\$ 4,767.75	monthly	\$ -
NBFW – Connection Bandwidth 7Mbps L3	17859	\$ 2,500.00	\$ 5,375.50	monthly	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 8Mbps L3	17860	\$ 2,500.00	\$ 5,960.50	monthly	\$ -
NBFW – Connection Bandwidth 9Mbps L3	17861	\$ 2,500.00	\$ 6,545.50	monthly	\$ -
NBFW – Connection Bandwidth 10Mbps L3	17862	\$ 2,500.00	\$ 7,085.00	monthly	\$ -
NBFW – Connection Bandwidth 15Mbps L3	17863	\$ 2,500.00	\$ 8,820.50	monthly	\$ -
NBFW – Connection Bandwidth 20Mbps L3	17864	\$ 2,500.00	\$ 10,227.75	monthly	\$ -
NBFW – Connection Bandwidth 25Mbps L3	17865	\$ 2,500.00	\$ 11,657.75	monthly	\$ -
NBFW – Connection Bandwidth 30Mbps L3	17866	\$ 2,500.00	\$ 13,065.00	monthly	\$ -
NBFW – Connection Bandwidth 35Mbps L3	17867	\$ 2,500.00	\$ 14,495.00	monthly	\$ -
NBFW – Connection Bandwidth 40Mbps L3	17868	\$ 2,500.00	\$ 15,905.50	monthly	\$ -
NBFW – Connection Bandwidth 45Mbps L3	17869	\$ 2,500.00	\$ 17,335.50	monthly	\$ -
NBFW – Connection Bandwidth 1.5Mbps L4	17870	\$ 3,750.00	\$ 3,250.00	monthly	\$ -
NBFW – Connection Bandwidth 2Mbps L4	17871	\$ 3,750.00	\$ 3,458.00	monthly	\$ -
NBFW – Connection Bandwidth 3Mbps L4	17872	\$ 3,750.00	\$ 4,156.75	monthly	\$ -
NBFW – Connection Bandwidth 4Mbps L4	17873	\$ 3,750.00	\$ 4,790.50	monthly	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW – Connection Bandwidth 2Mbps L5	17888	\$ 6,250.00	\$ 5,083.00	monthly	\$ -
NBFW – Connection Bandwidth 3Mbps L5	17889	\$ 6,250.00	\$ 5,944.25	monthly	\$ -
NBFW – Connection Bandwidth 4Mbps L5	17890	\$ 6,250.00	\$ 6,740.50	monthly	\$ -
NBFW – Connection Bandwidth 5Mbps L5	17891	\$ 6,250.00	\$ 7,637.50	monthly	\$ -
NBFW – Connection Bandwidth 6Mbps L5	17892	\$ 6,250.00	\$ 8,667.75	monthly	\$ -
NBFW – Connection Bandwidth 7Mbps L5	17893	\$ 6,250.00	\$ 9,763.00	monthly	\$ -
NBFW – Connection Bandwidth 8Mbps L5	17894	\$ 6,250.00	\$ 10,835.50	monthly	\$ -
NBFW – Connection Bandwidth 9Mbps L5	17895	\$ 6,250.00	\$ 11,908.00	monthly	\$ -
NBFW – Connection Bandwidth 10Mbps L5	17896	\$ 6,250.00	\$ 12,935.00	monthly	\$ -
NBFW – Connection Bandwidth 15Mbps L5	17897	\$ 6,250.00	\$ 15,645.50	monthly	\$ -
NBFW – Connection Bandwidth 20Mbps L5	17898	\$ 6,250.00	\$ 17,540.25	monthly	\$ -
NBFW – Connection Bandwidth 25Mbps L5	17899	\$ 6,250.00	\$ 19,457.75	monthly	\$ -
NBFW – Connection Bandwidth 30Mbps L5	17900	\$ 6,250.00	\$ 21,352.50	monthly	\$ -
NBFW – Connection Bandwidth 35Mbps L5	17901	\$ 6,250.00	\$ 23,270.00	monthly	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW - Connection Bandwidth 40Mbps L5	17902	\$ 6,250.00	\$ 25,168.00	monthly	\$ -
NBFW - Connection Bandwidth 45Mbps L5	17903	\$ 6,250.00	\$ 27,085.50	monthly	\$ -
NBFW - URL Filtering 100 Users	17904	\$ 250.00	\$ 70.00	users/month	\$ -
NBFW - URL Filtering 500 Users	17905	\$ 250.00	\$ 245.00	users/month	\$ -
NBFW - URL Filtering 1000 Users	17906	\$ 250.00	\$ 350.00	users/month	\$ -
NBFW - URL Filtering 3000 Users	17907	\$ 250.00	\$ 630.00	users/month	\$ -
NBFW - URL Filtering 5000 Users	17908	\$ 250.00	\$ 875.00	users/month	\$ -
NBFW - URL Filtering Unlimited	17909	\$ 250.00	\$ 1,750.00	users/month	\$ -
NBFW - Multiple Site Handling Outbound level 2 only	NBFWO2	\$ 1,250.00	\$ 1,050.00	sdc/month	\$ -
NBFW - Multiple Site Handling Outbound/Inbound level 3-5	NBFWI2	\$ 2,500.00	\$ 1,750.00	sdc/month	\$ -
NBFW - Additional Public IP Addresses Block of 4	17920	\$ 125.00	\$ 125.00	block/month	\$ -
NBFW - Additional Public IP Addresses Block of 256	17922	\$ 1,250.00	\$ 350.00	block/month	\$ -
NBFW - Additional Secure Networks 1-10	17918b	\$ 250.00	\$ 525.00	net/mo	\$ -
NBFW - Additional Secure Networks 10 Up	17918a	ICB	ICB	net/mo	\$ -

Feature Name	Identifier	Non-Recurring Charge	Recurring Charge	Unit of measure	Change Charge
NBFW - Site Failover	17928	\$ 1,250.00	\$ 1,050.00	site/mo	\$ -
NBFW - Additional Firewall Rules block of 5	17930	\$ 250.00	\$ 140.00	block/month	\$ -
NBFW - Premium Time 8 hour block	17932	\$ 1,000.00	ICB	block/month	\$ -

See Required CPE and Other Equipment for descriptions of additional equipment and service offered

Feature Name	Identifier	Feature Description	Additional Information
Interior Station Line	RX5 / RX5AX	Restricts line from calling outside the centrex	Grandfathered type of service will support existing service only. For new interior stations see RX5AX
Basic Centrex Feature	RXBJ+	DMS100 DATA PATH LINE-LINE CARD TYPE D	
Access Advantage Plus Centrex Station Line	RXGA1	Centrex primary station lines terminating on AAP HICAP	

## Voice DNA (Dynamic Network Applications) Service

### *Description of Service*

Centrex Voice DNA is a Centrex service which provides enhanced features and capabilities. It is offered with Standard, Enhanced and Premium Feature Package Bundles with unlimited toll within the United States, as well as "A La Carte" Features, and transport.

### *Availability*

This Service is available in most major metropolitan areas in California (Sacramento, Oakland, San Francisco, San Jose, Los Angeles and San Diego) and many additional cities where facilities are available. Check with account team for availability outside of the listed major metropolitan areas.

Feature Name	Identifier	Feature Description	Additional Information
Voice DNA Standard Feature Package -	70454	<p>The Standard Feature Package provides many of the common Centrex features in a reduced feature set that can be used with basic business service. The package includes the features below:</p> <p><b>Unlimited toll within the U.S.</b></p> <p><b>Call Waiting-</b> Notifies a user on an active call that there is a second incoming call. The user can switch between the two incoming calls using a button on the phone.</p> <p><b>Caller ID-</b> Identifies calling number on phone set display.</p> <p><b>Caller Name Presentation -</b> Presents the number of the calling party to the user. This applies to any phones with appropriate caller ID display equipment.</p> <p><b>DID -</b> Lets a caller access another user's extension, directly, without going through an attendant.</p> <p><b>DOD-</b> Lets the caller place a call, without going through an attendant, to a</p>	Locations are limited check with Account team for availability

Feature Name	Identifier	Feature Description	Additional Information
		<p>seven- or ten-digit number, by dialing an external access code (such as "9") as defined by the specified dialing plan.</p> <p><b>Call Transfer-</b> Allows a station End-User to transfer any call in progress to another telephone number without the assistance of an operator.</p> <p><b>Call Hold-</b> Provide the ability to put a caller on hold and retrieve them from the hold</p> <p><b>Call Forward Busy –Don't Answer-</b> Allows a station End-User to choose to reroute incoming calls to another specified telephone number. This shall be available for all incoming calls, on a busy or ring-no-answer condition. (Indicate the limitation of paths the call may take)</p> <p><b>Call Forward – All Calls-</b> Allows the station end user to choose to reroute all incoming calls to another specified telephone number. The feature shall have the capability to restrict call forwarding to internal, local or long distance numbers</p> <p><b>Redial -</b>Allow a station end user to automatically originate a call to the last number dialed from the station End-User's phone</p> <p><b>Anonymous Call Rejection -</b>End user may configure anonymous calls (without Caller ID) to be rejected.</p> <p><b>External Transfer -</b> Allows users to transfer incoming call to a number not within the tenant.</p> <p><b>T.38 Fax (with supporting hardware)</b></p> <p><b>Call Restriction -</b> Lets the administrator allow/restrict dialing of various call types (e.g., long distance, international, etc.)</p>	
Voice DNA with Enhanced Feature Package	70455	<p>AT&amp;T Voice DNA with Enhanced Feature Package and local area calling plan provides supplemental enhanced feature set that is appropriate for normal and more complex business line functionality. The Service features are listed below:</p> <p><b>Unlimited Toll within the U.S.</b></p> <p><b>Call Waiting-</b> Notifies a user on an active call that there is a second incoming call. The user can switch between the two incoming calls using a button on the phone.</p> <p><b>Caller ID-</b> Identifies calling number on phone set display.</p> <p><b>Caller Name Presentation-</b> Presents the number of the calling party to the user. This applies to any phone with appropriate caller ID display equipment.</p> <p><b>Three-way Conferencing-</b> Users are able to create three-way conference calls</p> <p><b>DID-</b> Lets a caller access another user's extension, directly, without going through an attendant</p> <p><b>DOD-</b> Lets the caller place a call, without going through an attendant, to a seven- or ten-digit number, by dialing an external access code (such as "9") as defined by the specified dialing plan.</p> <p><b>Call Transfer-</b> Allows a station End-User to transfer any call in progress to another telephone number without the assistance of an operator.</p> <p><b>Call Park-</b>Allows a call to be parked at a subscriber's number for retrieval by another subscriber line. The capability can be administered on a station basis according to the subscribing Agencies needs.</p> <p><b>Call Pickup-</b> Allows a subscriber to answer any calls directed to another station line within his or her own predefined call pickup group.</p> <p><b>Conference-</b> Allows a voice station End-User to establish a multiparty conference connection of a minimum of three conferees including themselves without attendant assistance.</p> <p><b>Call Hold-</b> Provide the ability to put a caller on hold and retrieve them from the hold state</p> <p><b>Call Forward – Busy Don't Answer-</b> Allows a station End-User to choose to reroute incoming calls to another specified telephone number. This shall be available for all incoming</p>	Locations are limited check with Account team for availability

Feature Name	Identifier	Feature Description	Additional Information
		<p>calls, on a busy or ring-no-answer condition. (Indicate the limitation of paths the call may take)</p> <p><b>Call Forward – All Calls</b>- Allows the station End-User to choose to reroute all incoming calls to another specified telephone number. The feature shall have the capability to restrict call forwarding to internal, local or long distance numbers</p> <p><b>Hunt Groups</b>- Line feature to routes inbound calls to a predetermined sequence of telephone numbers until it is answered.</p> <p><b>Multi Line Appearance</b>- Support the ability for multiple line appearances to operate on a subscriber's phone (if multi-line phone).</p> <p><b>Speed Dial</b>- Allows abbreviated digit dialing capability on a per station basis</p> <p><b>Redial</b>- Allow a station End-User to automatically originate a call to the last number dialed from the station End-User's phone</p> <p><b>Four-digit extension dialing</b>- All 'on-net' numbers can be reached by dialing the four-digit extension from 'on-net' phones.</p> <p><b>Group Pickup</b>- Allows an incoming call to be picked up from any one of a predefined group of phones.</p> <p><b>Web Directory</b>- Online directory via web</p> <p><b>Directory Phone Display</b>- Directory via the phone display</p> <p><b>900 Blocking</b>- The ability to block 900 calls</p>	
Voice DNA with Premium Feature Package	70456	<p>AT&amp;T Voice DNA with Premium Feature Package and unlimited toll within the U.S., provides all the Standard and Enhanced Features with the additional Premium Features listed below:</p> <p><b>Voice mail Integration</b> AT&amp;T includes AT&amp;T Voicemail as part of the Premium service. When you order the Premium package, your account will <i>automatically</i> be allocated a main voicemail box. Voice Messaging</p> <ul style="list-style-type: none"> <li>• Message Waiting Indication</li> <li>• Messaging Notification</li> <li>• Messaging to Email</li> <li>• Voicemail Configuration</li> <li>• Message Aging</li> <li>• Multiple Mail Servers</li> <li>• Variable Mailbox Sizes</li> <li>• Voice Mailbox Integration</li> <li>• The Voicemail Telephone Number must be in the customer's provisioned telephone number range.</li> <li>• Unified Messaging (UM)—there is a single portal for voicemail and call management features. End users will be able to access, review, play, and send to e-mail, their voicemail messages under a cohesive user interface. Administrators will be able to elect ("turn on/off") which users get access to voicemail/UM.</li> </ul> <p><b>Outlook Integration</b>-Outlook Integration lets you manage all of your telecommunications services from Microsoft Outlook. With Outlook Integration, you can:</p> <ul style="list-style-type: none"> <li>• Allow users to see their missed, incoming, and outgoing call logs from within Microsoft Outlook, the user portal, or their phone display.</li> <li>• Click-to-dial or email any Outlook Integration contact directly from Outlook.</li> <li>• Click-to-dial or email any one in your company directly from Outlook.</li> <li>• Use speed dials with * codes, from the display on your telephone, or from the programmable buttons on your phone.</li> </ul>	Locations are limited check with Account team for availability

Feature Name	Identifier	Feature Description	Additional Information
		<p>You can use a “virtual front desk” for resource and/or time zone management for greater flexibility. Receptionists can log-in to a console function from anywhere, at any time.</p> <p>This feature allows the attendant to perform the following:</p> <ul style="list-style-type: none"> <li>Answer calls</li> <li>Make calls</li> <li>Transfer callers</li> <li>Put callers on hold</li> <li>Monitor phones in the monitored directory</li> </ul> <p>Attendant Console comes with its own soft phone, which must be used when accessing this function.</p>	
Voice DNA Call Distribution Module	70459	Call distribution provides a supplementary ACD function where callers are queued for answering by representatives who can enter and exit the group on their own. Administrators can configure up to 100 call distribution queues that can have up to 200 representatives at any given time.	
Centrex Interoperability Service	D6PAD	This service provides usage charge-free calling from Centrex phones to Voice DNA phones that are in the same service area. This service is charged per standard Centrex line.	

**Support**

Feature Name	Identifier	Feature Description	Additional Information
ATR Support I	TRGV13	Provide experienced telecommunications professionals to support existing State and local resources with telecommunications outside of normal AT&T support activities. Can include conducting comprehensive inventories at locations and review and monitor accuracy of billing and tracking.	

6.1.11.2.5 Catastrophic Outage 2 (M)

Services	Catastrophic Outage 2
<p>Analog</p> <p>Asynchronous Transfer Mode (ATM)</p> <p>Business Access Lines</p> <p>Carrier (DS0,DS1,DS3)</p> <p>Central Office Exchange Basic Services</p> <p>Central Office Trunk Service</p> <p>Frame Relay</p> <p>Managed Frame Relay</p> <p>Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI)</p> <p>ISDN Primary Rate Interface (PRI)</p> <p>Intra-LATA Calling</p> <p>Gigabit Ethernet Metropolitan Area Network (MAN)</p> <p>SONET (Ring and Point-to-Point)</p> <p>AVPN*</p> <p>OPT-E-MAN</p> <p>CSME</p> <p>EPLS-WAN</p> <p>FibreMAN</p> <p>MON Ring</p> <p>Switched 56</p>	<p><b>Definition</b></p> <p>A total failure of a service type in a central office.</p> <p>Or, a backbone failure or failure of any part of the Equipment associated with the backbone that causes a service failure.</p> <p><b>Measurement Process</b></p> <p>The outage duration start shall be determined by the network alarm resulting from the outage-causing event or the opening of a trouble ticket by the Customer, whichever occurs first. Outage duration shall be measured on a per circuit or per-port basis from information recorded from the network Equipment or trouble ticket</p> <p>The Contractor shall open a trouble ticket and compile a list for each circuit or service affected by the common cause. Each circuit or service is out of service from the first notification until the Contractor determines the circuit or service is restored. Any circuits or service reported by the End-User/Customer as not having been restored shall have the outage time adjusted to the actual restoration time.</p> <p>(7X24)</p> <p><b>Objectives</b></p> <p>Less than 30 minutes</p> <p><b>Immediate Rights and Remedies</b></p> <p>100 percent of the TMRC and 2 days of the AMUC for each phone number/service not meeting the per occurrence objective for a single Cat 2 fault</p> <p>End-User Escalation Process</p> <p>DTS/ONS Escalation Process</p> <p><b>Monthly Rights and Remedies</b></p> <p>N/A</p>

\* This SLA does not apply to the AVPN Managed Router features.

6.1.11.2.6 Catastrophic Outage 3 (M)

Services	Catastrophic Outage 3
<p>Analog</p> <p>Asynchronous Transfer Mode (ATM)</p> <p>Business Access Lines</p> <p>Carrier (DS0,DS1,DS3)</p> <p>Central Office Exchange Basic Services</p> <p>Central Office Trunk Service</p> <p>Frame Relay</p> <p>Managed Frame Relay</p> <p>Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI)</p> <p>ISDN Primary Rate Interface (PRI)</p> <p>Intra-LATA Calling</p> <p>Gigabit Ethernet Metropolitan Area Network (MAN)</p> <p>SONET (Ring and Point-to-Point)</p> <p>AVPN*</p> <p>OPT-E-MAN</p> <p>CSME</p> <p>EPLS-WAN</p> <p>FibreMAN</p> <p>MON Ring</p> <p>Switched 56</p> <p>Voice Mail</p>	<p><b>Definition</b></p> <p>The total loss of more than one service type in central office, or the loss of any service type on a system wide basis.</p> <p><b>Measurement Process</b></p> <p>The outage duration start shall be determined by the network alarm resulting from the outage-causing event or the opening of a trouble ticket by the Customer, whichever occurs first. Outage duration shall be measured on a per circuit or per-port basis from information recorded from the network switches or trouble ticket.</p> <p>The Contractor shall open a trouble ticket and compile a list for each circuit or service affected by the common cause. Each circuit or service is out of service from the first notification until the Contractor determines the circuit or service is restored. Any circuits or service reported by End-User/Customer as not having been restored shall have the outage time adjusted to the actual restoration time.</p> <p>(7X24)</p> <p><b>Objectives</b></p> <p>Less than 15 minutes</p> <p><b>Immediate Rights and Remedies</b></p> <p>Senior Management Escalation Process</p> <p>100 percent of the TMRC for each circuit/service not meeting the per occurrence objective for a single Cat 3 fault</p> <p><b>Monthly Rights and Remedies</b></p> <p>N/A</p>

\* This SLA does not apply to the AVPN Managed Router features.

6.1.11.2.12 Provisioning (M)

Services	Business Days	Provisioning
SONET (Ring and Point-to-Point) AVPN AVPN Managed Router OPT-E-MAN CSME DecaMAN EPLS-WAN FibreMAN MON Ring NBFW ANIRA	Contracted Service Project Work – Section 6.1.9	
Specialized Call Routing	Contracted Service Project Work – Section 6.1.9	
Station Cabling	Contracted Service Project Work – Section 6.1.9	
Switched 56	Contracted Service Project Work – Section 6.1.9	
Voice Mail per box	3 Days	

6.1.11.2.14.d Time to Repair (TTR) Minor – AVPN Managed Router

Service	Time to Repair (TTR)- Minor AVPN Managed Router
<p>AVPN Managed Router</p> <p>AVPN*</p>	<p>For purposes of SLA compliance, the resiliency options are classified as follows:</p> <p><b>*Resiliency Level 1</b>            Single Customer Site CPE (CE), Single Access line, back up via ISDN            Single CE, Dual Access lines, Primary/Backup            Single CE, Dual Access lines, Primary/Backup, ISDN            Single CE Dual Access lines, Load Sharing            Single CE Dual Access lines, Load Sharing, ISDN            Dual CE, Single Access line, ISDN</p> <p><b>**Resiliency Level 2</b>            Dual CE, Dual Access, Primary/Backup            Dual CE, Dual Access, Primary/Backup, ISDN            Dual CE, Dual Access, Load Sharing            Dual CE, Dual Access, Load Sharing, ISDN</p> <p>End-User Escalation Process            DTS/ONS Escalation Process</p> <p><b>Monthly Rights and Remedies</b>            N/A</p>

\*This SLA applies to AVPN transport service only when combined with the AVPN Managed Router Service

Service	Site-to-Site Latency AVPN Managed Router																																																																																																																		
AVPN Managed Router AVPN*	<b>Objective:</b>																																																																																																																		
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<p><b>Monthly Rights and Remedies:</b>                      10 percent of TMRC (includes router and port) per monthly occurrence for the reported circuit.</p>																																																																																																																			

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