

STATE OF CALIFORNIA
STANDARD AGREEMENT AMENDMENT
 STD. 213 A (Rev 6/03)

CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED

Pages 116

AGREEMENT NUMBER CP1178276 5-06-58-22 (DTS 06E1392)	AMENDMENT NUMBER 14
REGISTRATION NUMBER	

- This Agreement is entered into between the State Agency and Contractor named below:
 STATE AGENCY'S NAME
California Technology Agency (Formerly Office of the State Chief Information Officer (OCIO))
 CONTRACTOR'S NAME
MCI Network Services, Inc. or MCI Financial Management, Corp. on behalf of MCI Communications Services, Inc d/b/a Verizon Business Services and other authorized Verizon companies
- The term of this Agreement is 1/30/2007 through 1/29/2014
- 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 is being submitted for your approval in an effort to modify existing CALNET 2 services. This amendment is to further define individual Cisco, Adtran and Juniper router options for the Private IP bundled IP Transport at a minimum (1 end point).

A. This amendment includes the following changes, Subject CALNET 2, MSA 3 (Verizon Business):

This amendment is to include Cisco, Adtran and Juniper defined router options for the Private IP bundled IP Transport at a minimum (1 end point).

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

Continued on the next page.

This Agreement is effective September 1, 2011 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.

CONTRACTOR		
CONTRACTOR'S NAME (If other than an individual, state whether a corporation, partnership, etc.) <u>MCI Network Services, Inc. or MCI Financial Management, Corp. on behalf of MCI Communications Services, Inc d/b/a Verizon Business Services and other authorized Verizon companies</u>		
BY (Authorized Signature) 	DATE SIGNED (Do not type) <u>9/7/11</u>	
PRINTED NAME AND TITLE OF PERSON SIGNING <u>Lisa M. Guignard, Director-Pricing/Contract Management</u>		
ADDRESS <u>22001 Loudoun County Parkway, Ashburn, VA 20147</u>		
STATE OF CALIFORNIA		
AGENCY NAME <u>California Technology Agency</u>		
BY (Authorized Signature) 	DATE SIGNED (Do not type) <u>9/13/11</u>	
PRINTED NAME AND TITLE OF PERSON SIGNING <u>Tricia Rodriguez - Manager - Purchasing and Support Services</u>		<input type="checkbox"/> Exempt per:
ADDRESS <u>P.O. Box 1810, MS Y-18, Rancho Cordova, CA 95741-1810</u>		

Continuation

STD 213A Standard Agreement Amendment 5-06-58-22 (DTS 06E1392) 14

1. 6.3.3.8 Converged Services, IP and Network IP Transport Services, Attachment 3 has been modified to include Cisco, Adtran and Juniper router options:

- 56 Kbps - Specific Configuration Adtran NetVanta 3205
- 56 Kbps - Specific Configuration Cisco 1941 Router
- 128 Kbps - Specific Configuration Cisco 1941 Router
- 128 Kbps - Specific Configuration Juniper SRX 210 Router
- 384 Kbps - Specific Configuration Cisco 1941 Router
- 384 Kbps - Specific Configuration Juniper SRX 210 Router
- 512 Kbps - Specific Configuration Cisco 1941 Router
- 512 Kbps - Specific Configuration Juniper SRX 210 Router
- 768 Kbps - Specific Configuration Cisco 1941 Router
- 768 Kbps - Specific Configuration Juniper SRX 210 Router
- 1.024 Mbps - Specific Configuration Cisco 1941 Router
- 1.024 Mbps - Specific Configuration Juniper SRX 210 Router
- 1.536 Mbps - Specific Configuration Cisco 1941 Router
- 1.536 Mbps - Specific Configuration Juniper SRX 210 Router
- 1.536 Mbps - Specific Configuration Cisco 2911 Router
- 3.072 Mbps - Specific Configuration Cisco 2911 Router
- 3.072 Mbps - Specific Configuration Juniper J2320 Router
- 4.608 Mbps - Specific Configuration Cisco 2911 Router
- 4.608 Mbps - Specific Configuration Juniper J2320 Router
- 6.144 Mbps - Specific Configuration Cisco 2911 Router
- 6.144 Mbps - Specific Configuration Juniper J2320 Router
- 7.680 Mbps - Specific Configuration Cisco 2911 Router
- 7.680 Mbps - Specific Configuration Juniper J2320 Router
- 9.216 Mbps - Specific Configuration Cisco 2911 Router
- 9.216 Mbps - Specific Configuration Juniper J2320 Router

Replace Attachment 3 Section 6.3.3.8 (Pages 1-84) with amended section (Pages 1-84)

2. 6.3.3.8 Converged Services, IP and Network IP Transport Services, Attachment 4 has been modified to include Cisco, Adtran and Juniper router options:

- 56 Kbps - Specific Configuration Adtran NetVanta 3205
- 56 Kbps - Specific Configuration Cisco 1941 Router
- 128 Kbps - Specific Configuration Cisco 1941 Router
- 128 Kbps - Specific Configuration Juniper SRX 210 Router
- 384 Kbps - Specific Configuration Cisco 1941 Router
- 384 Kbps - Specific Configuration Juniper SRX 210 Router
- 512 Kbps - Specific Configuration Cisco 1941 Router
- 512 Kbps - Specific Configuration Juniper SRX 210 Router
- 768 Kbps - Specific Configuration Cisco 1941 Router
- 768 Kbps - Specific Configuration Juniper SRX 210 Router
- 1.024 Mbps - Specific Configuration Cisco 1941 Router
- 1.024 Mbps - Specific Configuration Juniper SRX 210 Router
- 1.536 Mbps - Specific Configuration Cisco 1941 Router
- 1.536 Mbps - Specific Configuration Juniper SRX 210 Router
- 1.536 Mbps - Specific Configuration Cisco 2911 Router
- 3.072 Mbps - Specific Configuration Cisco 2911 Router
- 3.072 Mbps - Specific Configuration Juniper J2320 Router
- 4.608 Mbps - Specific Configuration Cisco 2911 Router

- 4.608 Mbps - Specific Configuration Juniper J2320 Router
- 6.144 Mbps - Specific Configuration Cisco 2911 Router
- 6.144 Mbps - Specific Configuration Juniper J2320 Router
- 7.680 Mbps - Specific Configuration Cisco 2911 Router
- 7.680 Mbps - Specific Configuration Juniper J2320 Router
- 9.216 Mbps - Specific Configuration Cisco 2911 Router
- 9.216 Mbps - Specific Configuration Juniper J2320 Router

Replace Attachment 4 Section 6.3.3.8 (Pages 1-29) with amended section (Pages 1-29)

B. Signature authority for the Office of the State Chief Information Officer (OCIO) has changed to the California Technology Agency per Chapter 404, Statutes of 2010, AB 2408 effective January 1, 2011

C. Amendment Summary:

- **What is this amendment about?**
 - This amendment includes Cisco, Adtran and Juniper defined router options for the Private IP bundled IP Transport at a minimum (1 end point).
- **Why is the contract being amended?**
 - This amendment is being submitted to provide customers additional options in purchasing equipment for the Private IP bundled IP Transport at a minimum (1 end point).
- **What is the reason/purpose for the amendment?**
 - To add Cisco, Adtran and Juniper router options to Section 6.3.3.8.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Service Identifier: IP and Network IP Transport Service

Description of the Service: IP Transport services that support Voice, Video and Data. IP transport may include, at a minimum: DSL, DS0, DS1, DS3, Fractional DS3, Ethernet, or a combination to augment geographic coverage or bandwidth. IP transport supports, at a minimum:

- Hosted IP Centrex (HIPC) Services 6.3.4
- IP Contact Center Applications 6.3.5
- IP Communication Applications – Other Services 6.3.6

Availability: Nationwide. International locations are available on an ICB basis.

Unless noted separately in Attachment 4, services include the following elements: planning, applicable design, engineering, testing, and applicable service level agreements.

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
IP Transport at a minimum (1 end point):		Bundled – includes Router, Mgmt of Router, PIP Access, PIP Port	
56 Kbps	IPTK0056		
56 Kbps - Specific Configuration Adtran NetVanta 3205	ADTR0056	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using an Adtran NetVanta 3205 with Flash Memory 8MB, RAM 16MB, 1 Interface T1-FT1, 1 Interface Ethernet 10Base-T/100Base-TX, Standard OS.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Service Identifier: IP and Network IP Transport Service

Description of the Service: IP Transport services that support Voice, Video and Data. IP transport may include, at a minimum: DSL, DS0, DS1, DS3, Fractional DS3, Ethernet, or a combination to augment geographic coverage or bandwidth. IP transport supports, at a minimum:

- Hosted IP Centrex (HIPC) Services 6.3.4
- IP Contact Center Applications 6.3.5
- IP Communication Applications – Other Services 6.3.6

Availability: Nationwide. International locations are available on an ICB basis.

Unless noted separately in Attachment 4, services include the following elements: planning, applicable design, engineering, testing, and applicable service level agreements.

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
IP Transport at a minimum (1 end point):		Bundled – includes Router, Mgmt of Router, PIP Access, PIP Port	
56 Kbps	IPTK0056		
56 Kbps - Specific Configuration Adtran NetVanta 3205	ADTR0056	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using an Adtran NetVanta 3205 with Flash Memory 8MB, RAM 16MB, 1 Interface T1-FT1, 1 Interface Ethernet 10Base-T/100Base-TX, Standard OS.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
56 Kbps - Specific Configuration Cisco 1941 Router	CSCR0056	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Cisco 1941 router with IP Base IOS, 2 onboard GE, 2 EHWIC slots, 256MB CF default, and 512MB DRAM default.	
128 Kbps	IPTK0128		
128 Kbps - Specific Configuration Cisco 1941 Router	CSCR0128	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Cisco 1941 router with IP Base IOS, 2 onboard GE, 2 EHWIC slots, 256MB CF default, and 512MB DRAM default.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
128 Kbps - Specific Configuration Juniper SRX 210 Router	JNPR0128	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper SRX 210 with 2 GbE + 6 Fast Ethernet ports, and base memory (512 MB RAM, 1 GB Flash).	
384 Kbps	IPTK0384		
384 Kbps - Specific Configuration Cisco 1941 Router	CSCR0384	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Cisco 1941 router with IP Base IOS, 2 onboard GE, 2 EHWIC slots, 256MB CF default, and 512MB DRAM default.	
384 Kbps - Specific Configuration Juniper SRX 210 Router	JNPR0384	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper SRX 210 with 2 GbE + 6 Fast Ethernet ports, and base memory (512 MB RAM, 1 GB Flash).	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
512 Kbps	IPTK0512		
512 Kbps - Specific Configuration Cisco 1941 Router	CSCR0512	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Cisco 1941 router with IP Base IOS, 2 onboard GE, 2 EHWIC slots, 256MB CF default, and 512MB DRAM default.	
512 Kbps - Specific Configuration Juniper SRX 210 Router	JNPR0512	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper SRX 210 with 2 GbE + 6 Fast Ethernet ports, and base memory (512 MB RAM, 1 GB Flash).	
640 Kbps	IPTK0640		
768 Kbps	IPTK0768		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
768 Kbps - Specific Configuration Cisco 1941 Router	CSCR0768	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Cisco 1941 router with IP Base IOS, 2 onboard GE, 2 EHWIC slots, 256MB CF default, and 512MB DRAM default.	
768 Kbps - Specific Configuration Juniper SRX 210 Router	JNPR0768	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper SRX 210 with 2 GbE + 6 Fast Ethernet ports, and base memory (512 MB RAM, 1 GB Flash).	
896 Kbps	IPTK0896		
1.024 Mbps	IPTK1024		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
1.024 Mbps - Specific Configuration Cisco 1941 Router	CSCR1024	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Cisco 1941 router with IP Base IOS, 2 onboard GE, 2 EHWIC slots, 256MB CF default, and 512MB DRAM default.	
1.024 Mbps - Specific Configuration Juniper SRX 210 Router	JNPR1024	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper SRX 210 with 2 GbE + 6 Fast Ethernet ports, and base memory (512 MB RAM, 1 GB Flash).	
1.152 Mbps	IPTK1152		
1.280 Mbps	IPTK1280		
1.408 Mbps	IPTK1408		
1.536 Mbps	IPTK1536		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
1.536 Mbps - Specific Configuration Cisco 1941 Router	CSCR1536	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Cisco 1941 router with IP Base IOS, 2 onboard GE, 2 EHWIC slots, 256MB CF default, and 512MB DRAM default.	
1.536 Mbps - Specific Configuration Juniper SRX 210 Router	JNPR1536	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper SRX 210 with 2 GbE + 6 Fast Ethernet ports, slot and base memory (512 MB RAM, 1 GB Flash).	
1.536 Mbps - Specific Configuration Cisco 2911 Router	CISR1536	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Cisco 2911 with IP Base IOS, 3 onboard GE, 4 EHWIC slots, 256MB CF default , and 512MB DRAM default.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
1.792 Mbps	IPTK1792		
2.048 Mbps	IPTK2048		
2.304 Mbps	IPTK2304		
2.560 Mbps	IPTK2560		
2.816 Mbps	IPTK2816		
3.072 Mbps	IPTK3072		
3.072 Mbps - Specific Configuration Cisco 2911 Router	CSCR3072	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a the Cisco 2911 with IP Base IOS, 3 onboard GE, 4 EHWIC slots, 256MB CF default , and 512MB DRAM default.	
3.072 Mbps - Specific Configuration Juniper J2320 Router	JNPR3072	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper J2320 router with 4 GbE, JUNOS, base memory (512 MB DRAM,512 MB Flash).	
3.328 Mbps	IPTK3328		
3.584 Mbps	IPTK3584		
3.840 Mbps	IPTK3840		
4.096 Mbps	IPTK4096		
4.352 Mbps	IPTK4352		
4.608 Mbps	IPTK4608		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
4.608 Mbps - Specific Configuration Cisco 2911 Router	CSCR4608	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a the Cisco 2911 with IP Base IOS, 3 onboard GE, 4 EHWIC slots, 256MB CF default , and 512MB DRAM default.	
4.608 Mbps - Specific Configuration Juniper J2320 Router	JNPR4608	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper J2320 router with 4 GbE, JUNOS, base memory (512 MB DRAM,512 MB Flash).	
4.864 Mbps	IPTK4864		
5.120 Mbps	IPTK5120		
5.632 Mbps	IPTK5632		
6.144 Mbps	IPTK6144		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
6.144 Mbps - Specific Configuration Cisco 2911 Router	CSCR6144	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a the Cisco 2911 with IP Base IOS, 3 onboard GE, 4 EHWIC slots, 256MB CF default , and 512MB DRAM default.	
6.144 Mbps - Specific Configuration Juniper J2320 Router	JNPR6144	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper J2320 router with 4 GbE, JUNOS, base memory (512 MB DRAM,512 MB Flash).	
6.656 Mbps	IPTK6656		
7.168 Mbps	IPTK7168		
7.680 Mbps	IPTK7680		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
7.680 Mbps - Specific Configuration Cisco 2911 Router	CSCR7680	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a the Cisco 2911 with IP Base IOS, 3 onboard GE, 4 EHWIC slots, 256MB CF default , and 512MB DRAM default.	
7.680 Mbps - Specific Configuration Juniper J2320 Router	JNPR7680	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper J2320 router with 4 GbE, JUNOS, base memory (512 MB DRAM,512 MB Flash).	
8.192 Mbps	IPTK8192		
8.704 Mbps	IPTK8704		
9.216 Mbps	IPTK9216		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
9.216 Mbps - Specific Configuration Cisco 2911 Router	CSCR9216	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a the Cisco 2911 with IP Base IOS, 3 onboard GE, 4 EHWIC slots, 256MB CF default , and 512MB DRAM default.	
9.216 Mbps - Specific Configuration Juniper J2320 Router	JNPR9216	This is an option to the Private IP Bundled (Router, Mgmt of Router, PIP Access, PIP Port) IP Transport at a minimum (1 end point) using a Juniper J2320 router with 4 GbE, JUNOS, base memory (512 MB DRAM,512 MB Flash).	
9.768 Mbps	IPTK9768		
11 Mbps	IPTM0011		
12 Mbps	IPTM0012		
13 Mbps	IPTM0013		
14 Mbps	IPTM0014		
15 Mbps	IPTM0015		
16 Mbps	IPTM0016		
17 Mbps	IPTM0017		
18 Mbps	IPTM0018		
19 Mbps	IPTM0019		
20 Mbps	IPTM0020		
21 Mbps	IPTM0021		
22 Mbps	IPTM0022		
23 Mbps	IPTM0023		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
24 Mbps	IPTM0024		
25 Mbps	IPTM0025		
30 Mbps	IPTM0030		
35 Mbps	IPTM0035		
40 Mbps	IPTM0040		
45 Mbps	IPTM0045		
155 Mbps	IPTM0155		
622 Mbps	IPTM0622		
2.5 Gbps	IPTG0025		
10 Gbps	IPTG0010		
Ethernet Bundle:		Includes Router, Router Management, PIP Ethernet Access and PIP Ethernet Port	
1 Mbps	ETRN0001		
2 Mbps	ETRN0002		
3 Mbps	ETRN0003		
4 Mbps	ETRN0004		
5 Mbps	ETRN0005		
6 Mbps	ETRN0006		
7 Mbps	ETRN0007		
8 Mbps	ETRN0008		
9 Mbps	ETRN0009		
10 Mbps	ETRN0010		
15 Mbps	ETRN0015		
20 Mbps	ETRN0020		
25 Mbps	ETRN0025		
30 Mbps	ETRN0030		
35 Mbps	ETRN0035		
40 Mbps	ETRN0040		
50 Mbps	ETRN0050		
60 Mbps	ETRN0060		
70 Mbps	ETRN0070		
80 Mbps	ETRN0080		
90 Mbps	ETRN0090		
100 Mbps	ETRN0100		
200 Mbps	ETRN0200		
300 Mbps	ETRN0300		
400 Mbps	ETRN0400		
500 Mbps	ETRN0500		
600 Mbps	ETRN0600		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
700 Mbps	ETRN0700		
800 Mbps	ETRN0800		
900 Mbps	ETRN0900		
1000 Mbps	ETRN1000		
VPLS	VPLS0000		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Additional Router IOS Encryption Option:

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Encryption Cisco x800 Series - Advanced IP Services</p>	<p>ENCA1800</p>	<p>Encryption for the Cisco 1800 Series includes upgrading from standard IP Base IOS to Advanced IP Services to enable IPsec and DMVPN features onto the IP Transport Bundle Managed Router. This includes additional Router DRAM/Flash required for this enhanced IOS with the standard hand off of two copper 10/100 RJ45 interfaces. Encryption for the Cisco 1800 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SNA/IPX Cisco x800 Series - Enterprise Base</p>	<p>ESIE1800</p>	<p>SNA/IPX for the Cisco 1800 Series includes upgrading from standard IP Base IOS to Enterprise Base Services to enable SNA/IPX option onto the IP Transport Bundle Managed Router. This includes additional Router DRAM/Flash required for this enhanced IOS with the standard hand off of two copper 10/100 RJ45 interfaces. SNA/IPX for the Cisco 1800 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Encryption & SNA/IPX Cisco x800 Series - Advanced Enterprise Services</p>	<p>ESIP1800</p>	<p>Encryption & SNA/IPX for the Cisco 1800 Series includes upgrading from standard IP Base IOS to Advanced Enterprise Services to enable IPsec or DMVPN and SNA/IPX switching option onto the IP Transport Bundle Managed Router. This includes additional Router DRAM/Flash required for this enhanced IOS with the standard hand off of two copper 10/100 RJ45 interfaces. Encryption & SNA/IPX for Cisco 1800 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Encryption Cisco x900 Series - Security License</p>	<p>ENCS1900</p>	<p>Encryption for the Cisco 1900 Series includes activation of the Security License on the Universal/IP Base License to enable IPsec and DMVPN features onto the IP Transport Bundle Managed Router. The standard IP Transport Bundle Managed Router hand off is two copper 10/100 RJ45 interfaces. Encryption for the 1900 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SNA/IPX Cisco x900 Series - Data License</p>	<p>ESND1900</p>	<p>SNA/IPX for the Cisco 1900 Series includes activation of the Data License on the Universal/IP Base License to enable SNA/IPX option onto the IP Transport Bundle Managed Router. The standard IP Transport Bundle Managed Router hand off is two copper 10/100 RJ45 interfaces. SNA/IPX for the Cisco 1900 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Encryption Cisco 2800 Series - Advanced IP Services</p>	<p>ENCA2800</p>	<p>Encryption for the Cisco 2800 Series includes upgrading from standard IP Base IOS to Advanced IP Services to enable IPsec and DMVPN features onto the IP Transport Bundle Managed Router. This includes additional Router DRAM/Flash required for this enhanced IOS with the standard hand off of two copper 10/100 RJ45 interfaces. Encryption for the Cisco 2800 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SNA/IPX Cisco 2800 Series - Enterprise Base</p>	<p>ESNE2800</p>	<p>SNA/IPX for the Cisco 2800 Series includes upgrading from standard IP Base IOS to Enterprise Base Services to enable SNA/IPX option onto the IP Transport Bundle Managed Router. This includes additional Router DRAM/Flash required for this enhanced IOS with the standard hand off of two copper 10/100 RJ45 interfaces. SNA/IPX for the Cisco 2800 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Encryption & SNA/IPX Cisco 2800 Series - Advanced Enterprise Services</p>	<p>ESIP2800</p>	<p>Encryption & SNA/IPX for the Cisco 2800 Series includes upgrading from standard IP Base IOS to Advanced Enterprise Services to enable IPsec or DMVPN and SNA/IPX switching option onto the IP Transport Bundle Managed Router. This includes additional Router DRAM/Flash required for this enhanced IOS with the standard hand off of two copper 10/100 RJ45 interfaces. Encryption & SNA/IPX for Cisco 2800 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Encryption Cisco 2900 Series - Security License	ENCS2900	<p>Encryption for the Cisco 2900 Series includes activation of the Security License on the Universal/IP Base License to enable IPsec and DMVPN features onto the IP Transport Bundle Managed Router. The standard IP Transport Bundle Managed Router hand off is two copper 10/100 RJ45 interfaces. Encryption for the 2900 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SNA/IPX Cisco 2900 Series - Data License</p>	<p>ESND2900</p>	<p>SNA/IPX for the Cisco 2900 Series includes activation of the Data License on the Universal/IP Base License to enable SNA/IPX option onto the IP Transport Bundle Managed Router. The standard IP Transport Bundle Managed Router hand off is two copper 10/100 RJ45 interfaces. SNA/IPX for the Cisco 2900 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Encryption Cisco 3800 Series - Advanced IP Services</p>	<p>ENCA3800</p>	<p>Encryption for the Cisco 3800 Series includes upgrading from standard IP Base IOS to Advanced IP Services to enable IPsec and DMVPN features onto the IP Transport Bundle Managed Router. This includes additional Router DRAM/Flash required for this enhanced IOS with the standard hand off of two copper 10/100 RJ45 interfaces. Encryption for the Cisco 3800 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SNA/IPX Cisco 3800 Series - Enterprise Base</p>	<p>ESNE3800</p>	<p>SNA/IPX for the Cisco 3800 Series includes upgrading from standard IP Base IOS to Enterprise Base Services to enable SNA/IPX option onto the IP Transport Bundle Managed Router. This includes additional Router DRAM/Flash required for this enhanced IOS with the standard hand off of two copper 10/100 RJ45 interfaces. SNA/IPX for the Cisco 3800 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Encryption & SNA/IPX Cisco 3800 Series - Advanced Enterprise Services</p>	<p>ESIP3800</p>	<p>Encryption & SNA/IPX for the Cisco 3800 Series includes upgrading from standard IP Base IOS to Advanced Enterprise Services to enable IPsec or DMVPN and SNA/IPX switching option onto the IP Transport Bundle Managed Router. This includes additional Router DRAM/Flash required for this enhanced IOS with the standard hand off of two copper 10/100 RJ45 interfaces. Encryption & SNA/IPX for Cisco 3800 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Encryption Cisco 3900 Series - Security License</p>	<p>ENCS3900</p>	<p>Encryption for the Cisco 3900 Series includes activation of the Security License on the Universal/IP Base License to enable IPsec and DMVPN features onto the IP Transport Bundle Managed Router. The standard IP Transport Bundle Managed Router hand off is two copper 10/100 RJ45 interfaces. Encryption for the 3900 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SNA/IPX Cisco 3900 Series - Data License</p>	<p>ESND3900</p>	<p>SNA/IPX for the Cisco 3900 Series includes activation of the Data License on the Universal/IP Base License to enable SNA/IPX option onto the IP Transport Bundle Managed Router. The standard IP Transport Bundle Managed Router hand off is two copper 10/100 RJ45 interfaces. SNA/IPX for the Cisco 3900 Series installation charges (feature ID IPMW0007) will be waived when ordering this service with the standard IP Transport Bundle. If ordered after the IP Transport Bundle Managed Router order, then feature ID IPMW0007 for Management (Router labor only) Router IOS Change Support New Features will apply.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
15 Mbps 20 Mbps 25 Mbps 30 Mbps 35 Mbps 40 Mbps 50 Mbps 60 Mbps 70 Mbps 80 Mbps 90 Mbps 100 Mbps 200 Mbps 300 Mbps 400 Mbps 500 Mbps 600 Mbps 700 Mbps 800 Mbps 900 Mbps 1000 Mbps	PIET0015 PIET0020 PIET0025 PIET0030 PIET0035 PIET0040 PIET0050 PIET0060 PIET0070 PIET0080 PIET0090 PIET0100 PIET0200 PIET0300 PIET0400 PIET0500 PIET0600 PIET0700 PIET0800 PIET0900 PIET1000		
Private IP Multicasting Per Host Port: Small Tier 16kbps - 511kbps Medium Tier 512kbps - 1.4Mbps Large Tier 1.5 Mbps - 2.99Mbps Extra Large Tier 3Mbps - 5.99Mbps Jumbo Tier 6Mbps & Greater	IPMC0511 IPMC1400 IPMC2990 IPMC5990 IPMC0000	Private IP Multicasting is a bandwidth conserving technology that helps reduce traffic by simultaneously delivering a steady stream of information to multiple locations from a host PIP port. Charge applies per host port multicast.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>PIP Expedited Forwarding Gold Car Option:</p> <p>8 Kbps 16 Kbps 32 Kbps 48 Kbps 64 Kbps 128 Kbps 192 Kbps 256 Kbps 320 Kbps 384 Kbps 448 Kbps 512 Kbps 576 Kbps 640 Kbps 704 Kbps 768 Kbps 832 Kbps 896 Kbps 960 Kbps 1.024 Mbps 1.152 Mbps 1.280 Mbps 1.408 Mbps 1.536 Mbps 2.048 Mbps 3.072 Mbps 4.608 Mbps 6.144 Mbps 7.680 Mbps 9.216 Mbps 10.752 Mbps 12.288 Mbps 15.360 Mbps 18.432 Mbps 21.504 Mbps 24.576 Mbps 27.648 Mbps 30.720 Mbps 33.792 Mbps 36.864 Mbps</p>	<p>CRGD0008 CRGD0016 CRGD0032 CRGD0048 CRGD0064 CRGD0128 CRGD0192 CRGD0256 CRGD0320 CRGD0384 CRGD0448 CRGD0512 CRGD0576 CRGD0640 CRGD0704 CRGD0768 CRGD0832 CRGD0896 CRGD0960 CRGD1024 CRGD1152 CRGD1280 CRGD1408 CRGD1536 CRGD2048 CRGD3072 CRGD4608 CRGD6144 CRGD7680 CRGD9216 CRGD1075 CRGD1228 CRGD1560 CRGD1843 CRGD2150 CRGD2457 CRGD2764 CRGD3070 CRGD3379 CRGD3686</p>	<p>A Gold CAR Option is an available option for high-priority applications, as required/defined by the user. Traffic marked EF has the highest traffic priority.</p> <p>Note that EF Gold Car is included with all CALNET II Module 3 Voice and Video services.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
39.936 Mbps 43.008 Mbps	CRGD3993 CRGD4300		
Private IP Access for Port Only: DS1 Access DS3 Access 155.52 Mbps (OC3) Access 622.08 Mbps (OC12 Access) 2,488 Mbps (OC48 Access) 9,953.28 Mbps (OC192 Access) Ethernet Access 1 Mbps 2 Mbps 3 Mbps 4 Mbps 5 Mbps 6 Mbps 7 Mbps 8 Mbps 9 Mbps 10 Mbps 15 Mbps 20 Mbps 25 Mbps 30 Mbps 35 Mbps 40 Mbps 50 Mbps 60 Mbps	 IPAA0001 IPAA0003 OCAC0003 OCAC0012 OCAC0048 OCAC0192 CEAT0001 CEAT0002 CEAT0003 CEAT0004 CEAT0005 CEAT0006 CEAT0007 CEAT0008 CEAT0009 CEAT0010 CEAT0015 CEAT0020 CEAT0025 CEAT0030 CEAT0035 CEAT0040 CEAT0050 CEAT0060	Provides customer high access speeds to connect to a Private IP Port maintaining the scalability option to grow bandwidth.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
70 Mbps	CEAT0070		
80 Mbps	CEAT0080		
90 Mbps	CEAT0090		
100 Mbps	CEAT0100		
200 Mbps	CEAT0200		
300 Mbps	CEAT0300		
400 Mbps	CEAT0400		
500 Mbps	CEAT0500		
600 Mbps	CEAT0600		
700 Mbps	CEAT0700		
800 Mbps	CEAT0800		
900 Mbps	CEAT0900		
1000 Mbps	CEAT1001		

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

IP Network Transport Management (Router):

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Management (Router) - Managed WAN Monitor and Notify (Small)</p>	<p>MWMS0000</p>	<p>Managed Services WAN Monitor & Notify allows Verizon Business to be responsible to clear logical and physical issues with the access and/or the Verizon network. With Monitor and Notify, the customer retains responsibility to resolve logical and/or physical issues with the CPE. Router must be certified by VzB MNS. VzB PIP network will provide in-band mgmt. Small would facilitate bandwidth speeds between 56KB and 12Meg service. This service requires Feature ID of either MWTO0001 or MWND0001.</p>	<p>Hardware must not be identified as End of Life by the manufacturer.</p>

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router) - Managed WAN Monitor and Notify (Medium)	MWMM0000	Managed Services WAN Monitor & Notify allows Verizon Business to be responsible to clear logical and physical issues with the access and/or the Verizon network. With Monitor and Notify, the customer retains responsibility to resolve logical and/or physical issues with the CPE. Router must be certified by VzB MNS. VzB PIP network will provide in-band mgmt. Medium would facilitate bandwidth speeds between T1 to OCN service. This service requires Feature ID of either MWTO0001 or MWND0001.	Hardware must not be identified as End of Life by the manufacturer.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router) - Managed WAN Monitor and Notify (Large)	MWML0000	Managed Services WAN Monitor & Notify allows Verizon Business to be responsible to clear logical and physical issues with the access and/or the Verizon network. With Monitor and Notify, the customer retains responsibility to resolve logical and/or physical issues with the CPE. Router must be certified by VzB MNS. VzB PIP network will provide in-band mgmt. Large would facilitate bandwidth speeds between DS3 to OCN service. This service requires Feature ID of either MWTO0001 or MWND0001.	Hardware must not be identified as End of Life by the manufacturer.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Management (Router) - Managed WAN Physical (Small)</p>	<p>MWPH0000</p>	<p>Managed Services WAN Physical allows Verizon Business to be responsible to clear logical and physical issues with the access and/or the Verizon network. Isolate and resolve physical fault conditions with the CPE. With Physical Mgmt, the customer retains the responsibility to resolve logical issues with the CPE. Router must be certified by VzB MNS. Customer must have a manufacturer certified maintenance agreement in place for this service. An Out of Band Modem & Modem Line is required from the customer. Small would facilitate bandwidth speeds between 56KB and 12Meg service. This service requires Feature ID of either MWTO0001 or MWND0001.</p>	<p>Hardware must not be identified as End of Life by the manufacturer.</p>

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router) - Managed WAN Physical (Medium)	MWPM0000	<p>Managed Services WAN Physical allows Verizon Business to be responsible to clear logical and physical issues with the access and/or the Verizon network. Isolate and resolve physical fault conditions with the CPE. With Physical Mgmt, the customer retains the responsibility to resolve logical issues with the CPE. Router must be certified by VzB MNS. Customer must have a manufacturer certified maintenance agreement in place for this service. An Out of Band Modem & Modem Line is required from the customer. Medium would facilitate bandwidth speeds between T1 to OCN service. This service requires Feature ID of either MWTO0001 or MWND0001.</p>	Hardware must not be identified as End of Life by the manufacturer.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router) - Managed WAN Physical (Large)	MWPL0000	Managed Services WAN Physical allows Verizon Business to be responsible to clear logical and physical issues with the access and/or the Verizon network. Isolate and resolve physical fault conditions with the CPE. With Physical Mgmt, the customer retains the responsibility to resolve logical issues with the CPE. Router must be certified by VzB MNS. Customer must have a manufacturer certified maintenance agreement in place for this service. An Out of Band Modem & Modem Line is required from the customer. Large would facilitate bandwidth speeds between DS3 to OCN service. This service requires Feature ID of either MWTO0001 or MWND0001.	Hardware must not be identified as End of Life by the manufacturer.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Management (Router) - Managed WAN Full (Small)</p>	<p>MWFS0000</p>	<p>Managed Services WAN Full allows Verizon Business to be responsible to clear logical and physical issues with the access and/or the Verizon network. Resolve both logical and physical fault conditions that occur with the CPE. Router must be certified by VzB MNS. Customer must have a manufacturer certified maintenance agreement in place for this service. An Out of Band Modem & Modem Line is required from the customer. VzB will work to clear the fault condition remotely or by dispatching someone to the site. Small would facilitate bandwidth speeds between 56KB and 12Meg service. This service requires Feature ID of either MWTO0001 or MWND0001.</p>	<p>Hardware must not be identified as End of Life by the manufacturer.</p>

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router) - Managed WAN Full (Medium)	MWFM0000	Managed Services WAN Full allows Verizon Business to be responsible to clear logical and physical issues with the access and/or the Verizon network. Resolve both logical and physical fault conditions that occur with the CPE. Router must be certified by VzB MNS. Customer must have a manufacturer certified maintenance agreement in place for this service. An Out of Band Modem & Modem Line is required from the customer. VzB will work to clear the fault condition remotely or by dispatching someone to the site. Medium would facilitate bandwidth speeds between T1 to OCN service. This service requires Feature ID of either MWTO0001 or MWND0001.	Hardware must not be identified as End of Life by the manufacturer.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router) - Managed WAN Full (Large)	MWFL0000	Managed Services WAN Full allows Verizon Business to be responsible to clear logical and physical issues with the access and/or the Verizon network. Resolve both logical and physical fault conditions that occur with the CPE. Router must be certified by VzB MNS. Customer must have a manufacturer certified maintenance agreement in place for this service. An Out of Band Modem & Modem Line is required from the customer. VzB will work to clear the fault condition remotely or by dispatching someone to the site. Large would facilitate bandwidth speeds between DS3 to OCN service. This service requires Feature ID of either MWTO0001 or MWND0001.	Hardware must not be identified as End of Life by the manufacturer.
Takeover of Existing Device Management Takeover of Existing Circuit and Router	MWTO0001	This applies to Management (Router) of Monitor & Notify, Physical and Full (Small, Medium and Large).	
New Device - New Circuit or Router Installation requiring initial configuration and implementation support	MWND0001	This applies to Management (Router) of Monitor & Notify, Physical and Full (Small, Medium and Large).	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router) Threshold Reporting	THRP0000	Managed (Router) Threshold Reporting is an add on service to Management WAN. This feature notifies Managed Network Service engineers of performance exceptions, including enhanced latency, discards, traffic shaping, and more.	
Management (Router) Order Expedite	MROX0000	Managed (Router) Order Expedite is an add on service to Management WAN. This request is to activate a router in 15 days or less. Not including circuit.	
Management (Router) New Implementation Rescheduling	MIRS0000	Managed (Router) Rescheduling is an additional charge to reschedule Router Activation within less than 48 hours (2 calendar days) of original scheduled installation date. If Router Activation is rescheduled before 48 hours then no additional charge shall apply.	
Management (Router) After Hours Premium Charge (M-F, 5 p.m. to 8 a.m., including weekends and holidays	MAHP0000	Managed (Router) After Hours Premium Charge is a one site charge for standby support at the NOC during non-business hour installations. This charge is in addition to the normal business installation charge.	

Optional Change Management provides additional change management support for items customers are not likely to encounter on a daily basis.

Optional Change Management items are charged on a per-incident basis (NRC), and are available to customers that subscribe to 6.3.3.8 Converged Services, IP and Network IP Transport Services. These are enhanced features and a subset of the 6.3.3.8 Converged Services, IP and Network IP Transport Services.

Optional Change Management Activities:

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router-remote labor configuration) Dynamic Host Configuration Protocol ("DHCP") IP Helper - Add / Modify / Delete	IPMW0012	Mgmt Dynamic Host Configuration Protocol (Router) is an add on service to Management WAN. This service provides Router configuration to Add / Modify / Delete Dynamic Host Configuration Protocol IP changes as the customer requires configuration changes to an existing configuration on the router.	Remote configuration activity on the Router.
Management (Router-remote labor configuration) IP Network Address Translation - Add / Modify / Delete	IPMW0013	Mgmt IP Network Address Translation (NAT) is an add on service to Management WAN. This service provides Router configuration to Add / Modify / Delete IP Network Address Translation (NAT) changes as the customer requires configuration changes to an existing configuration on the router.	Remote configuration activity on the Router.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router-remote labor configuration) Network Routed Protocol - Add / Modify / Delete	IPMW0014	Mgmt Network Protocol (Router) is an add on service to Management WAN. This service provides Router configuration to Add / Modify / Delete a network routed protocol (e.g., IPX, DLSW, RTP, SIP, HSRP) changes as the customer requires configuration changes to an existing configuration on the router.	Remote configuration activity on the Router.
Management (Router-remote labor configuration) Managed Service Operations (“MSO”) IP/address Subnet Mask Changes	IPMW0015	Mgmt Managed Service Operations IP/address Subnet Mask is an add on service to Management WAN. Verizon will Add/Modify/Delete an existing router configuration according to a new IP address plan (Managed Services Operations approved IP addressing).	Remote configuration activity on the Router.
Management (Router-remote labor configuration) Virtual Circuit Add / Modify / Delete	IPMW0016	Mgmt Virtual Circuit is an add on service to Management WAN. Router configuration to Add / Modify / Delete a Virtual Circuit.	Remote configuration activity on the Router.
Management (Router-remote labor configuration) Routing Protocol - Add / Modify / Delete	IPMW0017	Mgmt Routing Protocol is an add on service to Management WAN. Router configuration to Add/Modify/Delete a routing protocol (e.g., static, EIGRP, OSPF, RIP, BGP) changes as the customer requires configuration changes to an existing configuration on the router.	Remote configuration activity on the Router.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router-remote labor configuration) VPN Tunnel - Add / Modify / Delete	IPMW0018	Mgmt VPN Tunnel is an add on service to Management WAN. Router configuration to Add/Modify/Delete a Virtual Private Network tunnel changes as the customer requires configuration changes to an existing configuration on the router.	Remote configuration activity on the Router.
<p>In lieu of the optional change management per occurrence services described above, customers have the option to utilize the established hourly rate. Labor charges will commence upon arrival at customer site. Only the highest single NRC will be charged per device. Feature ID's are IPMW0001, IPMW0002, IPMW0003, IPMW0004, IPMW0005, IPMW0006, IPMW0007, IPMW0008, IPMW0009, IPMW0010, and IPMW0011.</p>			
Management (Router-labor only) Bandwidth Increase / Decrease Physical	IPMW0001	Management Bandwidth Increase / Decrease Physical Dispatch of a technician to the premises to perform Router configuration changes to support increase or decrease of bandwidth and/or CSU/DSU/Router module changes required to support bandwidth change.	
Management (Router-labor only) Hardware Module Upgrade	IPMW0002	Management Hardware Module Upgrade dispatches a technician to the premises to perform Add or swap a component to upgrade a module. This includes additional remote management and configuration services.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router-labor only) Intra-Building Move	IPMW0003	Management (Router-labor only) Intra-building Move dispatches a technician to the premises to perform In-building move of existing router – using same circuit and no design impact. Done during normal business hours.	
Management (Router-labor only) Router Move, Inter-Building or Across Town	IPMW0004	Management Router Move, Inter-Building or Across Town dispatches a technician to the premises to perform Across town is within 30 miles of original circuit, same router but new circuit, done during normal business hours. This includes additional remote management and configuration services.	
Management (Router-labor only) Memory Upgrade	IPMW0005	Management Memory Upgrade dispatches a technician to the premises to perform Add or swap to an upgraded memory (flash or DRAM). This includes additional remote management and configuration services.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router-labor only) Router Exchange	IPMW0006	Management Router Exchange dispatches a technician to the premises to perform Substitute one router for another at an existing site. This includes additional remote management and configuration services.	
Management (Router-labor only) Router IOS Change Support New Features	IPMW0007	Management (Router-labor only) Router IOS Change support new features dispatches a technician to the premises to perform Changes the IOS on the router for new feature requirements. This includes additional remote management and configuration services.	
Management (Router-labor only) Traffic Shaping/Queuing Add/ Delete	IPMW0008	Mgmt Shaping/Queuing is an add on service to Management WAN. Dispatch of a technician to the premises to perform Router configuration to traffic shaping or queuing changes as the customer requires configuration changes to an existing configuration on the router.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Management (Router-labor only) Traffic Filter Design	IPMW0009	Mgmt Traffic Filter is an add on service to Management WAN. Dispatch of a technician to the premises to perform Router configuration to traffic filters changes as the customer requires configuration changes to an existing configuration on the router.	
Management (Router) Field Service Technicians (labor only) Normal business hours (M-F, 8 a.m. to 5 p.m.).	IPMW0010	Management Field Service Technicians hourly rate during Normal business hours (M-F, 8 a.m. to 5 p.m.). Dispatches a technician to perform on-site managed services on a time basis at the level of journeyman.	
Management (Router) Field Service Technicians (labor only) After hours (M-F, 5 p.m. to 8 am, including weekends and holidays).	IPMW0011	Management Field Service Technicians hourly rate After hours (M-F, 5 p.m. to 8 am, including weekends and holidays) dispatches a technician to perform on-site managed services on a time basis at the level of journeyman.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Private IP Secure Gateway Services (Secure Gateway Universal Port - data only not to be used for voice) is a suite of services that includes the three components listed below through a single network based port. This section includes optional managed services for Remote Office connectivity.

Secure Gateway Firewall - provides enterprise employees secure access to the Internet from customer locations connected to private networks via a network-based firewall. Secure Gateway- Firewall is available with Private IP. This service extends the power of Verizon's private networks to safely provide Internet access without the requirement of multiple links and premise based firewalls. Secure Gateway Firewall bundles access with a "stateful firewall" to help protect against a range of network security threats. The network-based firewall inspects and tracks all inbound and outbound data streams, allowing passage of only those packets that match a known and authorized state. Stateful firewalls help improve the security and performance of more traditional packet filters because they capture and hold attributes of each data stream for the entire length of the connection.

Secure Gateway Mobile User – provides secure, encrypted, remote access to the customers' private network for their mobile workforce and remote employees. Mobile User is enabled by geographically-dispersed network gateways deployed at Verizon points of presence (PoPs). The service provides remote access through an exclusively-provisioned port between the customer's private network and the company's public IP network. Remote sites use Verizon or third-party dial, DSL or cable to connect to the Verizon IP backbone or the Internet. Then, using a VPN software client, the remote site automatically establishes a secure IPsec tunnel, through the IP network to the Secure Gateway Port located on a Verizon network gateway. The VPN client allows optional split tunneling for flexible end-user access to the customer's private network only, or to both their private network and the public Internet.

Secure Gateway Remote Office – creates a secure end-to-end logical link between corporate resources or corporate "hubs" on the Verizon network and remote sites connected to the Internet or Verizon's IP network via low cost broadband or T1 access. Verizon network service "hubs" are typically data centers, corporate headquarters, regional offices and other locations hosting mission-critical enterprise servers. Secure Gateway Remote Office utilizes Cisco technology for the hardware client, the Universal Port, or network gateway and the EasyVPN feature of the IOS operating system. Secure Gateway Remote Office leverages industry standard security protocols - IPsec, 3DES, and AES encryption and is an ideal solution for customers with sensitive price points and ease-of-implementation requirements.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Secure Gateway Universal Port 64 Kbps	SEGU0064	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 128 Kbps	SEGU00128	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 256 Kbps	SEGU0256	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Secure Gateway Universal Port 384 Kbps	SEGU0384	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 512 Kbps	SEGU0512	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 768 Kbps	SEGU0768	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Secure Gateway Universal Port 1.024 Mbps	SGUP0001	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 1.536 Mbps	SGUP0002	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 3.07 Mbps	SGUP0003	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Secure Gateway Universal Port 4.608 Mbps	SGUP0004	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 6.144 Mbps	SGUP0006	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 7.680 Mbps	SGUP0007	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Secure Gateway Universal Port 9.216 Mbps	SGUP0009	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 10.752 Mbps	SGUP0010	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 12.288 Mbps	SGUP0012	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Secure Gateway Universal Port 15.360 Mbps	SGUP0015	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 18.432 Mbps	SGUP0018	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 25.600 Mbps	SGUP0025	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Secure Gateway Universal Port 43.008 Mbps	SGUP0043	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 50 Mbps	SGUP0050	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 60 Mbps	SGUP0060	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Secure Gateway Universal Port 70 Mbps	SGUP0070	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 80 Mbps	SGUP0080	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 90 Mbps	SGUP0090	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Secure Gateway Universal Port 100 Mbps	SGUP0100	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 155 Mbps	SGUP0155	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.
Secure Gateway Universal Port 622 Mbps	SGUP0622	Secure Internetworking Gateway. Gateway Port provides remote office, mobile users and Internet Access from the Private IP (PIP) Network from one port. Secure Gateway Universal Port includes all of the functionality of Secure Gateway Firewall Service.	Requires Private IP Port for this service.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>Secure Gateway Firewall (Custom)</p>	<p>SGFC0000</p>	<p>Custom Gateway Firewall service is an additional add on service to Secure Gateway service. Custom Firewall enables the customer to administer its firewall policies via a web-based Graphic User Interface (GUI) to customize the types of Internet traffic to allow into and out of the customer's VzB network service.</p>	<p>Requires Private IP Port for this service. Customer must manage policy.</p>

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Reporting Standard Select	RSTS0000	<p>Reporting Standard Select service is an additional add on service to Secure Gateway service. This service enables Volume, bandwidth utilization, and Health statistics for Customer Edge (CE) device LAN interfaces, CE WAN interfaces, CE WAN sub-interfaces, and CE routers. Router details CE memory and CE CPU utilization. Customers can retrieve granular data for the performance of network components. On-demand reporting allows end-users to filter data based on their needs (time-of-day, week, month, etc.). Capacity "What-if" report allows end-users to simulate load and bandwidth changes to existing network infrastructure.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SIG Client CPE Managed Service Small</p>	<p>HCCR0871</p>	<p>Hardware Client CPE Mgmt service is an additional add on service to Secure Gateway service. This service provides a Cisco 871. End User Package includes Equipment, Maintenance and Management for Secure Gateway Remote Office. Customer responsible for providing modem and analog telephone line for this service to allow for CPE Mgmt. Customer also responsible for providing Internet connection.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SIG Client CPE Managed Service Small - On Site</p>	<p>HCOS0871</p>	<p>Hardware Client CPE Mgmt service is an additional add on service to Secure Gateway service. This service provides a Cisco 871. End User Package includes Equipment, Maintenance and Management for Secure Gateway Remote Office. Customer responsible for providing modem and analog telephone line for this service to allow for CPE Mgmt. Customer also responsible for providing Internet connection.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SIG Client CPE Managed Service Small - Remote</p>	<p>HCRM0871</p>	<p>Hardware Client CPE Mgmt service is an additional add on service to Secure Gateway service. This service provides a Cisco 871. End User Package includes Equipment, Maintenance and Management for Secure Gateway Remote Office. Customer responsible for providing modem and analog telephone line for this service to allow for CPE Mgmt. Customer also responsible for providing Internet connection.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SIG Client CPE Managed Service Medium</p>	<p>HCCR1811</p>	<p>Hardware Client CPE Mgmt service is an additional add on service to Secure Gateway service. This service provides a Cisco 1811. End User Package includes Equipment, Maintenance and Management for Secure Gateway Remote Office. Customer responsible for providing modem and analog telephone line for this service to allow for CPE Mgmt. Customer also responsible for providing Internet connection.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SIG Client CPE Managed Service Medium - On Site</p>	<p>HCOS1811</p>	<p>Hardware Client CPE Mgmt service is an additional add on service to Secure Gateway service. This service provides a Cisco 1811. End User Package includes Equipment, Maintenance and Management for Secure Gateway Remote Office. Customer responsible for providing modem and analog telephone line for this service to allow for CPE Mgmt. Customer also responsible for providing Internet connection.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SIG Client CPE Managed Service Medium - Remote</p>	<p>HCRM1811</p>	<p>Hardware Client CPE Mgmt service is an additional add on service to Secure Gateway service. This service provides a Cisco 1811. End User Package includes Equipment, Maintenance and Management for Secure Gateway Remote Office. Customer responsible for providing modem and analog telephone line for this service to allow for CPE Mgmt. Customer also responsible for providing Internet connection.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SIG Client CPE Managed Service Large</p>	<p>HCCR1841</p>	<p>Hardware Client CPE Mgmt service is an additional add on service to Secure Gateway service. This service provides a Cisco 1841. End User Package includes Equipment, Maintenance and Management for Secure Gateway Remote Office. Customer responsible for providing modem and analog telephone line for this service to allow for CPE Mgmt. Customer also responsible for providing Internet connection.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SIG Client CPE Managed Service Large - On Site</p>	<p>HCOS1841</p>	<p>Hardware Client CPE Mgmt service is an additional add on service to Secure Gateway service. This service provides a Cisco 1841. End User Package includes Equipment, Maintenance and Management for Secure Gateway Remote Office. Customer responsible for providing modem and analog telephone line for this service to allow for CPE Mgmt. Customer also responsible for providing Internet connection.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
<p>SIG Client CPE Managed Service Large - Remote</p>	<p>HCRM1841</p>	<p>Hardware Client CPE Mgmt service is an additional add on service to Secure Gateway service. This service provides a Cisco 1841. End User Package includes Equipment, Maintenance and Management for Secure Gateway Remote Office. Customer responsible for providing modem and analog telephone line for this service to allow for CPE Mgmt. Customer also responsible for providing Internet connection.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
OOB Management Analog Connection Service Full	OOBM0001	Out of Band (OOB) Modem with Analog Line service is an additional add on service to SIG Client CPE Managed service. This service enables VzB to provide the require Analog Line and Modem required to provide Management to the Hardware Client CPE. Modem and 1MB service. Includes Modem and Plain Old Telephone Service (POTS). This is used to provide Out of Band (OOB) Mgmt for CPE and Mgmt.	
OOB Management Analog Connection Service Partial	OOBM0002	Out Of Band (OOB) Modem without Analog Line service is an additional add on service to SIG Client CPE Managed service. This service enables VzB to provide the require Modem and the customer provides the Analog Line required to provide Management to the Hardware Client CPE. This is used to provide Out of Band (OOB) Mgmt for CPE and Mgmt.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Dial Access is an IP dial access service offering that is designed for large organizations that have remote, roaming, or branch office users and/or contractors. Dial Access uses the public Dial Access Network (DAN) (POPs). It provides an excellent infrastructure for remote analog to a business intranet, extranet or virtual private network (VPN). The service provides remote users with a low-cost, dial-up, point-to-point protocol (PPP) connection to the Internet.

Feature Name	Feature Identifier	Feature Description	Feature Limits
Dial Access Flat-Rate Monthly 10 Hours	DAFR0000	Dial Access is an IP dial access service offering that is designed for large organizations that have remote, roaming, or branch office users and/or contractors. Dial Access uses the public Dial Access Network (DAN) (POPs). It provides an excellent infrastructure for remote analog to a business intranet, extranet or virtual private network (VPN). The service provides remote users with a low-cost, dial-up, point-to-point protocol (PPP) connection to the Internet.	US contiguous 48 states
Overage 10	DAFR0001	Overage applies above defined Hours Per Month Per User.	
Acct Maintenance	DAFR0002	Acct Maintenance includes a monthly charge for Dial Access Network customer group.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits
Additional Domain/Sub Domain Name	DAFR0003	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits
Dial Access Flat-Rate Monthly 50 Hours	DIAF0000	Dial Access is an IP dial access service offering that is designed for large organizations that have remote, roaming, or branch office users and/or contractors. Dial Access uses the public Dial Access Network (DAN) (POPs). It provides an excellent infrastructure for remote analog to a business intranet, extranet or virtual private network (VPN). The service provides remote users with a low-cost, dial-up, point-to-point protocol (PPP) connection to the Internet.	US contiguous 48 states
Overage 50	DIAF0001	Overage applies above defined Hours Per Month Per User.	
Acct Maintenance	DAFR0002	Acct Maintenance includes a monthly charge for Dial Access Network customer group.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits
Additional Domain/Sub Domain Name	DAFR0003	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits
Dial Access Flat-Rate Monthly 150 Hours	DFRM0000	Dial Access is an IP dial access service offering that is designed for large organizations that have remote, roaming, or branch office users and/or contractors. Dial Access uses the public Dial Access Network (DAN) (POPs). It provides an excellent infrastructure for remote analog to a business intranet, extranet or virtual private network (VPN). The service provides remote users with a low-cost, dial-up, point-to-point protocol (PPP) connection to the Internet.	Verizon Business reserves the right to modify its Dial Access pricing at its sole discretion if the average monthly usage of all active Dial Access users of the 150 hours per user per month service offering purchasing under CALNET II exceeds one hundred (100) hours for three (3) consecutive months. US contiguous 48 states
Overage 150	DFRM0001	Overage applies above defined Hours Per Month Per User.	
Acct Maintenance	DAFR0002	Acct Maintenance includes a monthly charge for Dial Access Network customer group.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits
Additional Domain/Sub Domain Name	DAFR0003	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits
Dial Access Usage-Based Hourly	DAUB0000	Dial Access is an IP dial access service offering that is designed for large organizations that have remote, roaming, or branch office users and/or contractors. This charge is applied on an Hour by Hour basis. Dial Access uses the public Dial Access Network (DAN) (POPs). It provides an excellent infrastructure for remote analog to a business intranet, extranet or virtual private network (VPN). The service provides remote users with a low-cost, dial-up, point-to-point protocol (PPP) connection to the Internet.	US contiguous 48 states
Acct Maintenance	DAFR0002	Acct Maintenance includes a monthly charge for Dial Access Network customer group.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits
Additional Domain/Sub Domain Name	DAFR0003	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits
<p>Dial Access Usage-Based Toll Free Hourly</p>	<p>DAUT0000</p>	<p>Dial Access is an IP dial access service offering that is designed for large organizations that have remote, roaming, or branch office users and/or contractors. This charge is applied on a Toll Free Hour by Hour basis. Dial Access uses the public Dial Access Network (DAN) (POPs). It provides an excellent infrastructure for remote analog to a business intranet, extranet or virtual private network (VPN). The service provides remote users with a low-cost, dial-up, point-to-point protocol (PPP) connection to the Internet.</p>	<p>US contiguous 48 states</p>
<p>Acct Maintenance</p>	<p>DAFR0002</p>	<p>Acct Maintenance includes a monthly charge for Dial Access Network customer group.</p>	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits
Additional Domain/Sub Domain Name	DAFR0003	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Additional Domain/Sub Name Is applied 1.) If domain name change other than the first provided by VzB at start-up. 2.) If subdomain name other than the first two provided by VzB at start-up. 3.) If edit to existing domain and/or subdomain name 4.) Per Network Access Identifier (NAI) per subsequent requests to add or edit existing NAIs.	

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Managed Internet Dedicated:

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Managed Internet Dedicated Connection Service Small	MNID0001	Managed Internet Dedicated Connection Service Small device provides management services (implementation and ongoing support) on associated CPE for Internet Dedicated access solutions. Managed Internet Dedicated service is available to purchasers of Verizon Internet Dedicated T1, NxT1, T3, or Internet Dedicated Ethernet Service.	Verizon Business will manage up to and including the local area network (LAN) interface on the CPE, but is not responsible for customers LAN operations or the interoperability of the CPE with customers LAN. Verizon Business supports up to 25 static routes on the managed CPE router.
Managed Internet Dedicated Connection Service Medium	MNID0002	Managed Internet Dedicated Connection Service Medium device provides management services (implementation and ongoing support) on associated CPE for Internet Dedicated access solutions. Managed Internet Dedicated service is available to purchasers of Verizon Internet Dedicated T1, NxT1, T3, or Internet Dedicated Ethernet Service.	Verizon Business will manage up to and including the local area network (LAN) interface on the CPE, but is not responsible for customers LAN operations or the interoperability of the CPE with customers LAN. Verizon Business supports up to 25 static routes on the managed CPE router.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 3

Feature Name	Feature Identifier	Feature Description	Feature Limits or Compatibility Restrictions
Managed Internet Dedicated Connection Service Large	MNID0003	Managed Internet Dedicated Connection Service Large device provides management services (implementation and ongoing support) on associated CPE for Internet Dedicated access solutions. Managed Internet Dedicated service is available to purchasers of Verizon Internet Dedicated T1, NxT1, T3, or Internet Dedicated Ethernet Service.	Verizon Business will manage up to and including the local area network (LAN) interface on the CPE, but is not responsible for customers LAN operations or the interoperability of the CPE with customers LAN. Verizon Business supports up to 25 static routes on the managed CPE router.

Applicable Service Level Agreements:

- Service Availability Percentage
- Catastrophic Outage 1
- Catastrophic Outage 2
- Catastrophic Outage 3
- Round Trip Transmission Delay
- Packet Loss
- Excessive Outage
- Notification
- Provisioning
- Response Duration from Receipt of Order
- Administrative Service Level Agreements

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Service Identifier: IP and Network IP Transport Services

The pricing includes the following elements: planning, applicable design, engineering, testing, wiring, termination, and applicable service level agreements.

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
IP Transport at a minimum (1 end point):					
56 Kbps	IPTK0056	Per Month	\$522.75	\$285.83	\$0.00
56 Kbps - Specific Configuration Adtran NetVanta 3205	ADTR0056	Per Month	\$522.75	\$285.83	\$0.00
56 Kbps - Specific Configuration Cisco 1941 Router	CSCR0056	Per Month	\$522.75	\$285.83	\$0.00
128 Kbps	IPTK0128	Per Month	\$522.75	\$508.47	\$0.00
128 Kbps - Specific Configuration Cisco 1941 Router	CSCR0128	Per Month	\$522.75	\$508.47	\$0.00
128 Kbps - Specific Configuration Juniper SRX 210 Router	JNPR0128	Per Month	\$522.75	\$508.47	\$0.00
384 Kbps	IPTK0384	Per Month	\$522.75	\$572.22	\$0.00
384 Kbps - Specific Configuration Cisco 1941 Router	CSCR0384	Per Month	\$522.75	\$572.22	\$0.00
384 Kbps - Specific Configuration Juniper SRX 210 Router	JNPR0384	Per Month	\$522.75	\$572.22	\$0.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
512 Kbps	IPTK0512	Per Month	\$522.75	\$593.47	\$0.00
512 Kbps - Specific Configuration Cisco 1941 Router	CSCR0512	Per Month	\$522.75	\$593.47	\$0.00
512 Kbps - Specific Configuration Juniper SRX 210 Router	JNPR0512	Per Month	\$522.75	\$593.47	\$0.00
640 Kbps	IPTK0640	Per Month	\$522.75	\$614.72	\$0.00
768 Kbps	IPTK0768	Per Month	\$522.75	\$614.72	\$0.00
768 Kbps - Specific Configuration Cisco 1941 Router	CSCR0768	Per Month	\$522.75	\$614.72	\$0.00
768 Kbps - Specific Configuration Juniper SRX 210 Router	JNPR0768	Per Month	\$522.75	\$614.72	\$0.00
896 Kbps	IPTK0896	Per Month	\$522.75	\$635.97	\$0.00
1.024 Mbps	IPTK1024	Per Month	\$522.75	\$635.97	\$0.00
1.024 Mbps - Specific Configuration Cisco 1941 Router	CSCR1024	Per Month	\$522.75	\$635.97	\$0.00
1.024 Mbps - Specific Configuration Juniper SRX 210 Router	JNPR1024	Per Month	\$522.75	\$635.97	\$0.00
1.152 Mbps	IPTK1152	Per Month	\$522.75	\$635.97	\$0.00
1.280 Mbps	IPTK1280	Per Month	\$522.75	\$635.97	\$0.00
1.408 Mbps	IPTK1408	Per Month	\$522.75	\$635.97	\$0.00
1.536 Mbps	IPTK1536	Per Month	\$522.75	\$635.97	\$0.00
1.536 Mbps - Specific Configuration Cisco 1941	CSCR1536	Per Month	\$522.75	\$635.97	\$0.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Router					
1.536 Mbps - Specific Configuration Juniper SRX 210 Router	JNPR1536	Per Month	\$522.75	\$635.97	\$0.00
1.536 Mbps - Specific Configuration Cisco 2911 Router	CISR1536	Per Month	\$522.75	\$635.97	\$0.00
1.792 Mbps	IPTK1792	Per Month	\$1,202.75	\$1,989.49	\$0.00
2.048 Mbps	IPTK2048	Per Month	\$1,202.75	\$1,989.49	\$0.00
2.304 Mbps	IPTK2304	Per Month	\$1,202.75	\$1,989.49	\$0.00
2.560 Mbps	IPTK2560	Per Month	\$1,202.75	\$1,989.49	\$0.00
2.816 Mbps	IPTK2816	Per Month	\$1,202.75	\$1,989.49	\$0.00
3.072 Mbps	IPTK3072	Per Month	\$1,202.75	\$1,989.49	\$0.00
3.072 Mbps - Specific Configuration Cisco 2911 Router	CSCR3072	Per Month	\$1,202.75	\$1,989.49	\$0.00
3.072 Mbps - Specific Configuration Juniper J2320 Router	JNPR3072	Per Month	\$1,202.75	\$1,989.49	\$0.00
3.328 Mbps	IPTK3328	Per Month	\$1,202.75	\$2,059.49	\$0.00
3.584 Mbps	IPTK3584	Per Month	\$1,202.75	\$2,059.49	\$0.00
3.840 Mbps	IPTK3840	Per Month	\$1,202.75	\$2,059.49	\$0.00
4.096 Mbps	IPTK4096	Per Month	\$1,202.75	\$2,059.49	\$0.00
4.352 Mbps	IPTK4352	Per Month	\$1,202.75	\$2,059.49	\$0.00
4.608 Mbps	IPTK4608	Per Month	\$1,202.75	\$2,059.49	\$0.00
4.608 Mbps - Specific Configuration Cisco 2911 Router	CSCR4608	Per Month	\$1,202.75	\$2,059.49	\$0.00
4.608 Mbps - Specific Configuration Juniper J2320	JNPR4608	Per Month	\$1,202.75	\$2,059.49	\$0.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Router					
4.864 Mbps	IPTK4864	Per Month	\$1,202.75	\$2,129.49	\$0.00
5.120 Mbps	IPTK5120	Per Month	\$1,202.75	\$2,129.49	\$0.00
5.632 Mbps	IPTK5632	Per Month	\$1,202.75	\$2,129.49	\$0.00
6.144 Mbps	IPTK6144	Per Month	\$1,202.75	\$2,129.49	\$0.00
6.144 Mbps - Specific Configuration Cisco 2911 Router	CSCR6144	Per Month	\$1,202.75	\$2,129.49	\$0.00
6.144 Mbps - Specific Configuration Juniper J2320 Router	JNPR6144	Per Month	\$1,202.75	\$2,129.49	\$0.00
6.656 Mbps	IPTK6656	Per Month	\$1,202.75	\$2,199.49	\$0.00
7.168 Mbps	IPTK7168	Per Month	\$1,202.75	\$2,199.49	\$0.00
7.680 Mbps	IPTK7680	Per Month	\$1,202.75	\$2,199.49	\$0.00
7.680 Mbps - Specific Configuration Cisco 2911 Router	CSCR7680	Per Month	\$1,202.75	\$2,199.49	\$0.00
7.680 Mbps - Specific Configuration Juniper J2320 Router	JNPR7680	Per Month	\$1,202.75	\$2,199.49	\$0.00
8.192 Mbps	IPTK8192	Per Month	\$1,202.75	\$2,840.81	\$0.00
8.704 Mbps	IPTK8704	Per Month	\$1,202.75	\$2,840.81	\$0.00
9.216 Mbps	IPTK9216	Per Month	\$1,202.75	\$2,840.81	\$0.00
9.216 Mbps - Specific Configuration Cisco 2911 Router	CSCR9216	Per Month	\$1,202.75	\$2,840.81	\$0.00
9.216 Mbps - Specific Configuration Juniper J2320 Router	JNPR9216	Per Month	\$1,202.75	\$2,840.81	\$0.00
9.768 Mbps	IPTK9768	Per Month	\$1,202.75	\$3,095.81	\$0.00
11 Mbps	IPTM0011	Per Month	\$1,202.75	\$3,265.81	\$0.00

Revised: MSA 3 Amendment No. 14 - 6.3.3.8 Converged Services, IP and Network IP Transport Services

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
12 Mbps	IPTM0012	Per Month	\$1,202.75	\$3,457.92	\$0.00
13 Mbps	IPTM0013	Per Month	\$1,202.75	\$3,637.92	\$0.00
14 Mbps	IPTM0014	Per Month	\$1,202.75	\$3,637.92	\$0.00
15 Mbps	IPTM0015	Per Month	\$1,202.75	\$3,637.92	\$0.00
16 Mbps	IPTM0016	Per Month	\$1,202.75	\$3,637.92	\$0.00
17 Mbps	IPTM0017	Per Month	\$1,202.75	\$3,637.92	\$0.00
18 Mbps	IPTM0018	Per Month	\$1,202.75	\$3,637.92	\$0.00
19 Mbps	IPTM0019	Per Month	\$1,202.75	\$3,637.92	\$0.00
20 Mbps	IPTM0020	Per Month	\$1,202.75	\$3,637.92	\$0.00
21 Mbps	IPTM0021	Per Month	\$1,202.75	\$3,907.92	\$0.00
22 Mbps	IPTM0022	Per Month	\$1,202.75	\$3,907.92	\$0.00
23 Mbps	IPTM0023	Per Month	\$1,202.75	\$3,907.92	\$0.00
24 Mbps	IPTM0024	Per Month	\$1,202.75	\$3,907.92	\$0.00
25 Mbps	IPTM0025	Per Month	\$1,202.75	\$3,907.92	\$0.00
30 Mbps	IPTM0030	Per Month	\$1,202.75	\$3,907.92	\$0.00
35 Mbps	IPTM0035	Per Month	\$1,202.75	\$3,907.92	\$0.00
40 Mbps	IPTM0040	Per Month	\$1,202.75	\$3,907.92	\$0.00
45 Mbps	IPTM0045	Per Month	\$1,202.75	\$3,907.92	\$0.00
155 Mbps	IPTM0155	Per Month	ICB	ICB	ICB
622 Mbps	IPTM0622	Per Month	ICB	ICB	ICB
2.5 Gbps	IPTG0025	Per Month	ICB	ICB	ICB
10 Gbps	IPTG0010	Per Month	ICB	ICB	ICB
Ethernet Bundle:					
See Below	See Below	Per Month	See Below	See Below	See Below
1 Mbps	ETRN0001		ICB	ICB	ICB
2 Mbps	ETRN0002		ICB	ICB	ICB
3 Mbps	ETRN0003		ICB	ICB	ICB
4 Mbps	ETRN0004		ICB	ICB	ICB
5 Mbps	ETRN0005		ICB	ICB	ICB
6 Mbps	ETRN0006		ICB	ICB	ICB
7 Mbps	ETRN0007		ICB	ICB	ICB
8 Mbps	ETRN0008		ICB	ICB	ICB
9 Mbps	ETRN0009		ICB	ICB	ICB
10 Mbps	ETRN0010		ICB	ICB	ICB
15 Mbps	ETRN0015		ICB	ICB	ICB
20 Mbps	ETRN0020		ICB	ICB	ICB
25 Mbps	ETRN0025		ICB	ICB	ICB
30 Mbps	ETRN0030		ICB	ICB	ICB
35 Mbps	ETRN0035		ICB	ICB	ICB

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
40 Mbps	ETRN0040		ICB	ICB	ICB
50 Mbps	ETRN0050		ICB	ICB	ICB
60 Mbps	ETRN0060		ICB	ICB	ICB
70 Mbps	ETRN0070		ICB	ICB	ICB
80 Mbps	ETRN0080		ICB	ICB	ICB
90 Mbps	ETRN0090		ICB	ICB	ICB
100 Mbps	ETRN0100		ICB	ICB	ICB
200 Mbps	ETRN0200		ICB	ICB	ICB
300 Mbps	ETRN0300		ICB	ICB	ICB
400 Mbps	ETRN0400		ICB	ICB	ICB
500 Mbps	ETRN0500		ICB	ICB	ICB
600 Mbps	ETRN0600		ICB	ICB	ICB
700 Mbps	ETRN0700		ICB	ICB	ICB
800 Mbps	ETRN0800		ICB	ICB	ICB
900 Mbps	ETRN0900		ICB	ICB	ICB
1000 Mbps	ETRN1000		ICB	ICB	ICB
VPLS	VPLS0000		ICB	ICB	ICB

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Additional Router IOS Encryption Option

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Encryption Cisco x800 Series - Advanced IP Services	ENCA1800	Per Router	\$2,378.80	N/A	N/A
SNA/IPX Cisco x800 Series - Enterprise Base	ESIE1800	Per Router	\$1,752.80	N/A	N/A
Encryption & SNA/IPX Cisco x800 Series - Advanced Enterprise Services	ESIP1800	Per Router	\$2,629.20	N/A	N/A
Encryption Cisco x900 Series - Security License	ENCS1900	Per Router	\$626.00	N/A	N/A
SNA/IPX Cisco x900 Series - Data License	ESND1900	Per Router	\$375.60	N/A	N/A
Encryption Cisco 2800 Series - Advanced IP Services	ENCA2800	Per Router	\$3,693.40	N/A	N/A
SNA/IPX Cisco 2800 Series - Enterprise Base	ESNE2800	Per Router	\$3,004.80	N/A	N/A
Encryption & SNA/IPX Cisco 2800 Series - Advanced Enterprise Services	ESIP2800	Per Router	\$4,131.60	N/A	N/A
Encryption Cisco 2900 Series - Security License	ENCS2900	Per Router	\$751.20	N/A	N/A
SNA/IPX Cisco 2900 Series - Data License	ESND2900	Per Router	\$438.20	N/A	N/A
Encryption Cisco 3800 Series - Advanced IP Services	ENCA3800	Per Router	\$4,194.20	N/A	N/A

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
SNA/IPX Cisco 3800 Series - Enterprise Base	ESNE3800	Per Router	\$3,130.00	N/A	N/A
Encryption & SNA/IPX Cisco 3800 Series - Advanced Enterprise Services	ESIP3800	Per Router	\$4,920.20	N/A	N/A
Encryption Cisco 3900 Series - Security License	ENCS3900	Per Router	\$1,252.00	N/A	N/A
SNA/IPX Cisco 3900 Series - Data License	ESND3900	Per Router	\$626.00	N/A	N/A

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Additional features and services available for purchase, not required for services described above:

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Private IP Port Only:					
56/64 KB	PORT0064	Per Month	\$170.00	\$127.50	\$0.00
128 KB	PORT0128		\$170.00	\$212.50	\$0.00
256 KB	PORT0256		\$170.00	\$255.00	\$0.00
384 KB	PORT0384		\$170.00	\$276.25	\$0.00
512 KB	PORT0512		\$170.00	\$297.50	\$0.00
768 KB	PORT0768		\$170.00	\$318.75	\$0.00
1.024 Mbps	PORT1024		\$170.00	\$340.00	\$0.00
1.536 Mbps	PORT1536		\$170.00	\$340.00	\$0.00
3.072 Mbps	PORT3072		\$170.00	\$425.00	\$0.00
4.608 Mbps	PORT4608		\$170.00	\$510.00	\$0.00
6.144 Mbps	PORT6144		\$170.00	\$595.00	\$0.00
7.680 Mbps	PORT7680		\$170.00	\$680.00	\$0.00
9.216 Mbps	PORT9216		\$170.00	\$850.00	\$0.00
10.752 Mbps	PORT1075		\$170.00	\$1,105.00	\$0.00
12.288 Mbps	PORT1228		\$170.00	\$1,275.00	\$0.00
19.800 Mbps	PORT1980		\$170.00	\$1,445.00	\$0.00
44.736 Mbps	PORT4473		\$170.00	\$1,700.00	\$0.00
155.52 Mbps (OC3)	PIOC0003		\$0.00	\$4,282.30	\$0.00
622.08 Mbps (OC12)	PIOC0012		\$0.00	\$13,217.50	\$0.00
2,488 Mbps (OC48)	PIOC0048		ICB	ICB	ICB
9,953.28 Mbps (OC192)	PIOC0192		ICB	ICB	ICB
Ethernet	See Below		See Below	See Below	See Below
1 Mbps	PIET0001		\$0.00	\$287.30	\$0.00
2 Mbps	PIET0002		\$0.00	\$531.25	\$0.00
3 Mbps	PIET0003		\$0.00	\$586.29	\$0.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
4 Mbps	PIET0004		\$0.00	\$675.11	\$0.00
5 Mbps	PIET0005		\$0.00	\$743.75	\$0.00
6 Mbps	PIET0006		\$0.00	\$781.36	\$0.00
7 Mbps	PIET0007		\$0.00	\$818.55	\$0.00
8 Mbps	PIET0008		\$0.00	\$887.83	\$0.00
9 Mbps	PIET0009		\$0.00	\$920.13	\$0.00
10 Mbps	PIET0010		\$0.00	\$1,012.14	\$0.00
15 Mbps	PIET0015		\$0.00	\$1,173.43	\$0.00
20 Mbps	PIET0020		\$0.00	\$1,258.85	\$0.00
25 Mbps	PIET0025		\$0.00	\$1,297.10	\$0.00
30 Mbps	PIET0030		\$0.00	\$1,335.56	\$0.00
35 Mbps	PIET0035		\$0.00	\$1,412.49	\$0.00
40 Mbps	PIET0040		\$0.00	\$1,476.88	\$0.00
50 Mbps	PIET0050		\$0.00	\$1,593.75	\$0.00
60 Mbps	PIET0060		\$0.00	\$1,848.75	\$0.00
70 Mbps	PIET0070		\$0.00	\$2,082.50	\$0.00
80 Mbps	PIET0080		\$0.00	\$2,295.00	\$0.00
90 Mbps	PIET0090		\$0.00	\$2,486.25	\$0.00
100 Mbps	PIET0100		\$0.00	\$2,656.25	\$0.00
200 Mbps	PIET0200		\$0.00	\$5,100.00	\$0.00
300 Mbps	PIET0300		\$0.00	\$7,331.25	\$0.00
400 Mbps	PIET0400		\$0.00	\$9,350.00	\$0.00
500 Mbps	PIET0500		\$0.00	\$10,625.00	\$0.00
600 Mbps	PIET0600		\$0.00	\$12,112.50	\$0.00
700 Mbps	PIET0700		\$0.00	\$13,387.50	\$0.00
800 Mbps	PIET0800		\$0.00	\$14,450.00	\$0.00
900 Mbps	PIET0900		\$0.00	\$15,300.00	\$0.00
1000 Mbps	PIET1000		\$0.00	\$15,937.50	\$0.00
PIP Multicasting Per Host Port:		Per Month			
Small Tier 16kbps - 511kbps	IPMC0511		\$0.00	\$34.00	\$0.00
Medium Tier 512kbps - 1.4Mbps	IPMC1400		\$0.00	\$136.00	\$0.00
Large Tier 1.5 Mbps - 2.99Mbps	IPMC2990		\$0.00	\$274.13	\$0.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Extra Large Tier 3Mbps - 5.99Mbps	IPMC5990		\$0.00	\$546.13	\$0.00
Jumbo Tier 6Mbps & Greater	IPMC0000		ICB	ICB	ICB
PIP Expedited Forwarding Gold Car Option:		Per Month			
8 Kbps	CRGD0008		\$0.00	\$8.50	\$0.00
16 Kbps	CRGD0016		\$0.00	\$15.30	\$0.00
32 Kbps	CRGD0032		\$0.00	\$24.23	\$0.00
48 Kbps	CRGD0048		\$0.00	\$31.03	\$0.00
64 Kbps	CRGD0064		\$0.00	\$37.83	\$0.00
128 Kbps	CRGD0128		\$0.00	\$62.90	\$0.00
192 Kbps	CRGD0192		\$0.00	\$84.58	\$0.00
256 Kbps	CRGD0256		\$0.00	\$79.80	\$0.00
320 Kbps	CRGD0320		\$0.00	\$85.75	\$0.00
384 Kbps	CRGD0384		\$0.00	\$114.45	\$0.00
448 Kbps	CRGD0448		\$0.00	\$127.05	\$0.00
512 Kbps	CRGD0512		\$0.00	\$137.90	\$0.00
576 Kbps	CRGD0576		\$0.00	\$147.35	\$0.00
640 Kbps	CRGD0640		\$0.00	\$155.75	\$0.00
704 Kbps	CRGD0704		\$0.00	\$162.75	\$0.00
768 Kbps	CRGD0768		\$0.00	\$168.35	\$0.00
832 Kbps	CRGD0832		\$0.00	\$172.55	\$0.00
896 Kbps	CRGD0896		\$0.00	\$175.35	\$0.00
960 Kbps	CRGD0960		\$0.00	\$177.10	\$0.00
1.024 Mbps	CRGD1024		\$0.00	\$177.45	\$0.00
1.152 Mbps	CRGD1152		\$0.00	\$185.85	\$0.00
1.280 Mbps	CRGD1280		\$0.00	\$191.45	\$0.00
1.408 Mbps	CRGD1408		\$0.00	\$194.60	\$0.00
1.536 Mbps	CRGD1536		\$0.00	\$195.30	\$0.00
2.048 Mbps	CRGD2048		\$0.00	\$248.85	\$0.00
3.072 Mbps	CRGD3072		\$0.00	\$356.65	\$0.00
4.608 Mbps	CRGD4608		\$0.00	\$512.40	\$0.00
6.144 Mbps	CRGD6144		\$0.00	\$657.65	\$0.00
7.680 Mbps	CRGD7680		\$0.00	\$792.05	\$0.00
9.216 Mbps	CRGD9216		\$0.00	\$915.60	\$0.00
10.752 Mbps	CRGD1075		\$0.00	\$1,028.65	\$0.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
12.288 Mbps	CRGD1228		\$0.00	\$1,130.50	\$0.00
15.360 Mbps	CRGD1560		\$0.00	\$968.75	\$0.00
18.432 Mbps	CRGD1843		\$0.00	\$1,114.75	\$0.00
21.504 Mbps	CRGD2150		\$0.00	\$1,245.25	\$0.00
24.576 Mbps	CRGD2457		\$0.00	\$1,360.50	\$0.00
27.648 Mbps	CRGD2764		\$0.00	\$1,460.50	\$0.00
30.720 Mbps	CRGD3070		\$0.00	\$1,544.75	\$0.00
33.792 Mbps	CRGD3379		\$0.00	\$1,614.00	\$0.00
36.864 Mbps	CRGD3686		\$0.00	\$1,667.75	\$0.00
39.936 Mbps	CRGD3993		\$0.00	\$1,706.25	\$0.00
43.008 Mbps	CRGD4300		\$0.00	\$1,729.25	\$0.00
Private IP Access for Port Only:					
DS1 Access	IPAA0001	Per Circuit	\$170.00	\$150.00	
DS3 Access	IPAA0003	Per Circuit	\$850.00	\$1,800.00	
155.52 Mbps (OC3 Access)	OCAC0003	Per Circuit	ICB	ICB	ICB
622.08 Mbps (OC12 Access)	OCAC0012	Per Circuit	ICB	ICB	ICB
2,488 Mbps (OC48 Access)	OCAC0048	Per Circuit	ICB	ICB	ICB
9,953.28 Mbps (OC192 Access)	OCAC0192	Per Circuit	ICB	ICB	ICB
Ethernet Access		Per Circuit			
1 Mbps	CEAT0001		ICB	ICB	ICB
2 Mbps	CEAT0002		ICB	ICB	ICB
3 Mbps	CEAT0003		ICB	ICB	ICB
4 Mbps	CEAT0004		ICB	ICB	ICB
5 Mbps	CEAT0005		ICB	ICB	ICB
6 Mbps	CEAT0006		ICB	ICB	ICB
7 Mbps	CEAT0007		ICB	ICB	ICB
8 Mbps	CEAT0008		ICB	ICB	ICB
9 Mbps	CEAT0009		ICB	ICB	ICB
10 Mbps	CEAT0010		ICB	ICB	ICB
15 Mbps	CEAT0015		ICB	ICB	ICB

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
20 Mbps	CEAT0020		ICB	ICB	ICB
25 Mbps	CEAT0025		ICB	ICB	ICB
30 Mbps	CEAT0030		ICB	ICB	ICB
35 Mbps	CEAT0035		ICB	ICB	ICB
40 Mbps	CEAT0040		ICB	ICB	ICB
50 Mbps	CEAT0050		ICB	ICB	ICB
60 Mbps	CEAT0060		ICB	ICB	ICB
70 Mbps	CEAT0070		ICB	ICB	ICB
80 Mbps	CEAT0080		ICB	ICB	ICB
90 Mbps	CEAT0090		ICB	ICB	ICB
100 Mbps	CEAT0100		ICB	ICB	ICB
200 Mbps	CEAT0200		ICB	ICB	ICB
300 Mbps	CEAT0300		ICB	ICB	ICB
400 Mbps	CEAT0400		ICB	ICB	ICB
500 Mbps	CEAT0500		ICB	ICB	ICB
600 Mbps	CEAT0600		ICB	ICB	ICB
700 Mbps	CEAT0700		ICB	ICB	ICB
800 Mbps	CEAT0800		ICB	ICB	ICB
900 Mbps	CEAT0900		ICB	ICB	ICB
1000 Mbps	CEAT1001		ICB	ICB	ICB

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

IP Network Transport Management (Router):

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Management (Router) - Managed WAN Monitor and Notify (Small)	MWMS0000	Per Month	N/A	\$36.90	N/A
Management (Router) - Managed WAN Monitor and Notify (Medium)	MWMM0000	Per Month	N/A	\$41.40	N/A
Management (Router) - Managed WAN Monitor and Notify (Large)	MWML0000	Per Month	N/A	\$63.00	N/A
Management (Router) - Managed WAN Physical (Small)	MWPH0000	Per Month	N/A	\$71.10	N/A
Management (Router) - Managed WAN Physical (Medium)	MWPM0000	Per Month	N/A	\$89.10	N/A
Management (Router) - Managed WAN Physical (Large)	MWPL0000	Per Month	N/A	\$149.40	N/A
Management (Router) - Managed WAN Full (Small)	MWFS0000	Per Month	N/A	\$81.00	N/A
Management (Router) - Managed WAN Full (Medium)	MWFM0000	Per Month	N/A	\$105.30	N/A
Management (Router) - Managed WAN Full (Large)	MWFL0000	Per Month	N/A	\$176.40	N/A

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Takeover of Existing Device Management Takeover of Existing Circuit and Router	MWTO0001	Per Month	\$350	N/A	N/A
New Device- New Circuit or Router Installation requiring initial configuration an implementation support	MWND0001	Per Month	\$550	N/A	N/A
Management (Router) - Threshold Reporting	THRP0000	Per Device Per Month	N/A	\$5.10	N/A
Management (Router) - Order Expedite Request to activate router in 15 days or less	MROX0000	Per Order	\$935.00	N/A	N/A
Management (Router) - New Implementation Rescheduling	MIRS0000	Per Site	\$300	N/A	N/A
Management (Router) After Hours Premium Charge (M-F, 5 p.m. to 8 a.m., including weekends and holidays	MAHP0000	Per Occurrence	\$600	N/A	N/A

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Optional Change Management provides additional change management support for items customers are not likely to encounter on a daily basis.

Optional Change Management items are charged on a per-incident basis (NRC), and are available to customers that subscribe to 6.3.3.8 IP and Network IP Transport Services. These are enhanced features and a subset of the 6.3.3.8 IP and Network IP Transport Services.

Optional Change Management Activities:

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Management (Router-remote labor configuration) Dynamic Host Configuration Protocol ("DHCP") IP Helper - Add / Modify / Delete	IPMW0012	Per Occurrence	N/A	N/A	\$42.50
Management (Router-remote labor configuration) IP Network Address Translation - Add / Modify / Delete	IPMW0013	Per Occurrence	N/A	N/A	\$42.50
Management (Router-remote labor configuration) Network Routed Protocol - Add / Modify / Delete	IPMW0014	Per Occurrence	N/A	N/A	\$42.50
Management (Router-remote labor configuration) Managed Service Operations ("MSO") IP/address Subnet Mask Changes	IPMW0015	Per Occurrence	N/A	N/A	\$42.50

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Management (Router-remote labor configuration) Virtual Circuit - Add / Modify / Delete	IPMW0016	Per Occurrence	N/A	N/A	\$42.50
Management (Router-remote labor configuration) Routing Protocol - Add / Modify / Delete	IPMW0017	Per Occurrence	N/A	N/A	\$42.50
Management (Router-remote labor configuration) VPN Tunnel - Add / Modify / Delete	IPMW0018	Per Occurrence	N/A	N/A	\$42.50
In lieu of the optional change management per occurrence services described above, customers have the option to utilize the established hourly rate. Labor charges will commence upon arrival at customer site. Only the highest single NRC will be charged per device. Feature ID's are IPMW0001, IPMW0002, IPMW0003, IPMW0004, IPMW0005, IPMW0006, IPMW0007, IPMW0008, IPMW0009, IPMW0010, and IPMW0011.					
Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Management (Router-labor only) Bandwidth Increase / Decrease Physical	IPMW0001	Per Occurrence	\$350	\$0.00	\$0.00
Management (Router-labor only) Hardware Module Upgrade	IPMW0002	Per Occurrence	\$350	\$0.00	\$0.00
Management (Router-labor only) Intra-Building Move	IPMW0003	Per Occurrence	\$350	\$0.00	\$0.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non-Recurring	Unit Recurring	Change Charges
Management (Router-labor only) Router Move, Inter-Building or Across Town	IPMW0004	Per Occurrence	\$600	\$0.00	\$0.00
Management (Router-labor only) Memory Upgrade	IPMW0005	Per Occurrence	\$350	\$0.00	\$0.00
Management (Router-labor only) Router Exchange	IPMW0006	Per Occurrence	\$350	\$0.00	\$0.00
Management (Router-labor only) Router IOS Change Support New Features	IPMW0007	Per Occurrence	\$350	\$0.00	\$0.00
Management (Router-labor only) Traffic Shaping/Queuing Add/Delete	IPMW0008	Per Occurrence	\$350	\$0.00	\$0.00
Management (Router-labor only) Traffic Filter Design	IPMW0009	Per Occurrence	\$350	\$0.00	\$0.00
Management (Router) Field Service Technicians (labor only) Normal business hours (M-F, 8 a.m. to 5 p.m.).	IPMW0010	Per Hour	\$135	\$0.00	\$0.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Management (Router) Field Service Technicians (labor only) After hours (M-F, 5 p.m. to 8 a.m., including weekends and holidays).	IPMW0011	Per Hour	\$170	\$0.00	\$0.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Private IP Secure Gateway Services (Secure Gateway Universal Port - data only not to be used for voice) is a suite of services that includes the three components listed below through a single network based port. This section includes optional managed services for Remote Office connectivity.

Secure Gateway Firewall - provides enterprise employees secure access to the Internet from customer locations connected to private networks via a network-based firewall. Secure Gateway- Firewall is available with Private IP. This service extends the power of Verizon's private networks to safely provide Internet access without the requirement of multiple links and premise based firewalls. Secure Gateway Firewall bundles access with a "stateful firewall" to help protect against a range of network security threats. The network-based firewall inspects and tracks all inbound and outbound data streams, allowing passage of only those packets that match a known and authorized state. Stateful firewalls help improve the security and performance of more traditional packet filters because they capture and hold attributes of each data stream for the entire length of the connection.

Secure Gateway Mobile User – provides secure, encrypted, remote access to the customers' private network for their mobile workforce and remote employees. Mobile User is enabled by geographically-dispersed network gateways deployed at Verizon points of presence (PoPs). The service provides remote access through an exclusively-provisioned port between the customer's private network and the company's public IP network. Remote sites use Verizon or third-party dial, DSL or cable to connect to the Verizon IP backbone or the Internet. Then, using a VPN software client, the remote site automatically establishes a secure IPsec tunnel, through the IP network to the Secure Gateway Port located on a Verizon network gateway. The VPN client allows optional split tunneling for flexible end-user access to the customer's private network only, or to both their private network and the public Internet.

Secure Gateway Remote Office – creates a secure end-to-end logical link between corporate resources or corporate "hubs" on the Verizon network and remote sites connected to the Internet or Verizon's IP network via low cost broadband or T1 access. Verizon network service "hubs" are typically data centers, corporate headquarters, regional offices and other locations hosting mission-critical enterprise servers. Secure Gateway Remote Office utilizes Cisco technology for the hardware client, the Universal Port, or network gateway and the EasyVPN feature of the IOS operating system. Secure Gateway Remote Office leverages industry standard security protocols - IPsec, 3DES, and AES encryption and is an ideal solution for customers with sensitive price points and ease-of-implementation requirements.

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non-Recurring	Unit Recurring	Change Charges
Secure Gateway Universal Port 64 Kbps	SEGU0064	Per Month	\$85.00	\$145.35	N/A
Secure Gateway Universal Port 128 Kbps	SEGU0128	Per Month	\$85.00	\$257.55	N/A
Secure Gateway Universal Port 256 Kbps	SEGU0256	Per Month	\$85.00	\$343.40	N/A
Secure Gateway Universal Port 384 Kbps	SEGU0384	Per Month	\$85.00	\$407.15	N/A
Secure Gateway Universal Port 512 Kbps	SEGU0512	Per Month	\$85.00	\$541.45	N/A
Secure Gateway Universal Port 768 Kbps	SEGU0768	Per Month	\$85.00	\$637.50	N/A
Secure Gateway Universal Port 1.024 Mbps	SGUP0001	Per Month	\$85.00	\$763.30	N/A
Secure Gateway Universal Port 1.536 Mbps	SGUP0002	Per Month	\$170.00	\$1,017.45	N/A
Secure Gateway Universal Port 3.07 Mbps	SGUP0003	Per Month	\$510.00	\$1,526.60	N/A
Secure Gateway Universal Port 4.608 Mbps	SGUP0004	Per Month	\$510.00	\$2,292.45	N/A
Secure Gateway Universal Port 6.144 Mbps	SGUP0006	Per Month	\$510.00	\$3,058.30	N/A

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Secure Gateway Universal Port 7.680 Mbps	SGUP0007	Per Month	\$510.00	\$3,824.15	N/A
Secure Gateway Universal Port 9.216 Mbps	SGUP0009	Per Month	\$510.00	\$4,590.00	N/A
Secure Gateway Universal Port 10.752 Mbps	SGUP0010	Per Month	\$510.00	\$5,355.00	N/A
Secure Gateway Universal Port 12.288 Mbps	SGUP0012	Per Month	\$510.00	\$6,120.85	N/A
Secure Gateway Universal Port 15.360 Mbps	SGUP0015	Per Month	\$510.00	\$7,652.55	N/A
Secure Gateway Universal Port 18.432 Mbps	SGUP0018	Per Month	\$510.00	\$9,184.25	N/A
Secure Gateway Universal Port 25.600 Mbps	SGUP0025	Per Month	\$510.00	\$12,755.95	N/A
Secure Gateway Universal Port 43.008 Mbps	SGUP0043	Per Month	\$850.00	\$21,431.05	N/A
Secure Gateway Universal Port 50 Mbps	SGUP0050	Per Month	\$850.00	\$24,916.90	N/A
Secure Gateway Universal Port 60 Mbps	SGUP0060	Per Month	\$850.00	\$29,903.00	N/A
Secure Gateway Universal Port 70 Mbps	SGUP0070	Per Month	\$850.00	\$34,888.25	N/A

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Secure Gateway Universal Port 80 Mbps	SGUP0080	Per Month	\$850.00	\$39,873.50	N/A
Secure Gateway Universal Port 90 Mbps	SGUP0090	Per Month	\$850.00	\$44,859.60	N/A
Secure Gateway Universal Port 100 Mbps	SGUP0100	Per Month	\$850.00	\$49,844.85	N/A
Secure Gateway Universal Port 155 Mbps	SGUP0155	Per Month	\$850.00	\$77,262.45	N/A
Secure Gateway Universal Port 622 Mbps	SGUP0622	Per Month	\$850.00	\$310,049.40	N/A
Secure Gateway Firewall (Custom)	SGFC0000	Per Month	N/A	\$107.10	N/A
Reporting Standard Select	RSTS0000	Per Month	N/A	\$10.20	N/A
SIG Client CPE Managed Service Small	HCCR0871	Per Month	N/A	\$106.25	N/A
SIG Client CPE Managed Service Small – On Site	HCOS0871	Per Month	On Site- \$400	N/A	N/A
SIG Client CPE Managed Service Small – Remote	HCRM0871	Per Month	Remote \$85.00	N/A	N/A
SIG Client CPE Managed Service Medium	HCCR1811	Per Month	N/A	\$221.00	N/A

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
SIG Client CPE Managed Service Medium - On Site	HCOS1811	Per Month	On Site- \$400	N/A	N/A
SIG Client CPE Managed Service Medium - Remote	HCRM1811	Per Month	Remote \$85.00	N/A	N/A
SIG Client CPE Managed Service Large	HCCR1841	Per Month	N/A	\$318.75	N/A
SIG Client CPE Managed Service Large - On Site	HCOS1841	Per Month	On Site- \$400	N/A	N/A
SIG Client CPE Managed Service Large - Remote	HCRM1841	Per Month	Remote \$85.00	N/A	N/A
OOB Management Analog Connection Service Full	OOBM0001	Per Month	\$85.00	\$59.50	N/A
OOB Management Analog Connection Service Partial	OOBM0002	Per Month	\$85.00	N/A	N/A

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Dial Access is an IP dial access service offering that is designed for large corporations or organizations that have remote, roaming, or branch office users and/or contractors. Dial Access uses the public Dial Access Network (DAN) POPs. It provides an excellent infrastructure for remote analog to a business intranet, extranet or virtual private network (VPN). The service provides remote users with a low-cost, dial-up, point-to-point protocol (PPP) connection to the Internet.

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Dial Access Flat-Rate Monthly 10 Hours	DAFR0000	10 Hours Per Month Per User	\$0.00	\$3.36	N/A
Overage 10	DAFR0001	Per User, Per Hour	<u>N/A</u>	\$1.28	N/A
Acct Maintenance	DAFR0002	Per Acct	<u>N/A</u>	\$85.00	N/A
Additional Domain/Sub Domain Name	DAFR0003	Per Occurrence	\$850.00	N/A	N/A
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Per Change	N/A	N/A	\$850.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Dial Access Flat-Rate Monthly 50 Hours	DIAF0000	50 Hours Per Month Per User	\$0.00	\$8.46	N/A
Overage 50	DIAF0001	Per User, Per Hour	<u>N/A</u>	\$1.28	N/A
Acct Maintenance	DAFR0002	Per Acct	<u>N/A</u>	\$85.00	N/A
Additional Domain/Sub Domain Name	DAFR0003	Per Occurrence	\$850.00	N/A	N/A
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Per Change	N/A	N/A	\$850.00
Dial Access Flat-Rate Monthly 150 Hours	DFRM0000	150 Hours Per Month Per User	\$0.00	<u>\$11.86</u>	N/A
Overage 150	DFRM0001	Per User, Per Hour	<u>N/A</u>	<u>\$1.28</u>	N/A
Acct Maintenance	DAFR0002	Per Acct	<u>N/A</u>	<u>\$85.00</u>	N/A
Additional Domain/Sub Domain Name	DAFR0003	Per Occurrence	\$850.00	<u>N/A</u>	N/A
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Per Change	N/A	<u>N/A</u>	\$850.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Dial Access Usage-Based Hourly	DAUB0000	Per Hour / Per Month	\$0.00	<u>\$1.02</u>	N/A
Acct Maintenance	DAFR0002	Per Acct	<u>N/A</u>	<u>\$85.00</u>	N/A
Additional Domain/Sub Domain Name	DAFR0003	Per Occurrence	\$850.00	<u>N/A</u>	N/A
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Per Change	N/A	<u>N/A</u>	\$850.00
Dial Access Usage-Based Toll Free Hourly	DAUT0000	Per Hour / Per Month	\$0.00	<u>\$2.38</u>	N/A
Acct Maintenance	DAFR0002	Per Acct	<u>N/A</u>	<u>\$85.00</u>	N/A
Additional Domain/Sub Domain Name	DAFR0003	Per Occurrence	\$850.00	<u>N/A</u>	N/A
Additional Domain/Sub Domain Name – Change Charges	DAFR0004	Per Change	N/A	<u>N/A</u>	\$850.00

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Managed Internet Dedicated:

Feature Name	Feature Identifier	Unit of Measure	Unit Non - Recurring	Unit Recurring	Change Charges
Managed Internet Dedicated Connection Service Small	MNID0001	Per Month	\$85.00	\$97.75	N/A
Managed Internet Dedicated Connection Service Medium	MNID0002	Per Month	\$85.00	\$130.05	N/A
Managed Internet Dedicated Connection Service Large	MNID0003	Per Month	\$85.00	\$227.80	N/A

6.3.3.8 Converged Services, IP and Network IP Transport Services Attachment 4

Note:

Taxes and Surcharges

The following taxes and/or surcharges may apply. See CALNET II Exhibit 5A - Tax Determination Matrix, Module 3 specific detail.

CA Sales Tax
CA City Utility Users Tax
CA 9-1-1 Surcharge
CA Universal Lifeline Surcharge
CA Relay Service and Communications Device Fund Surcharge
Teleconnect Fund Surcharge
CA PUC Fee
AD Valorem Surcharge
California High Cost Fund
Federal Universal Service Fee/Charge
Regulatory Charge
Administrative Charge