
ADVANCED SERVICES TARIFF

SECTION 8 – NETWORK ACCESS POINT (NAP)

8.1 Service Description

- 8.1.1** The Network Access Point (NAP) utilizes ATM technology to allow Internet Service Providers (ISPs), government, research, and educational organizations to interconnect and exchange information. This exchange of Internet traffic is generally referred to as "peering".
- 8.1.2** The ASI-North NAP and the ASI-West NAP are two of the four original National Science Foundation sponsored Network Access Points for Internet infrastructure.
- 8.1.3** Currently the NAP supports ATM connectivity at full bandwidth rates of DS-3 (45 Mbps), OC-3c (155 Mbps), or OC-12c (622 Mbps).

(T)(X)

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SECTION 8 – NETWORK ACCESS POINT (NAP) (Continued)**8.2 Service Provisioning**

- 8.2.1** An ATM Permanent Virtual Circuit (PVC) connection is routed as a single entity across the NAP, using a single Virtual Path Identifier (VPI) and Virtual Circuit Identifier (VCI) address combination. (T)(X)
(T)(X)
(T)(X)
- 8.2.2 IP Address and VPI/VCI Assignment**
Customers of the NAP use PVCs to exchange traffic between different ISPs' routers. Customers are assigned one VPI/VCI pair unique to its ATM port. When PVCs interconnect two Customers, the VPI/VCI used at each endpoint is associated with the Customer on the opposite end of the PVC. (T)(X)
(N)(X)
(N)(X)
(N)(X)
- 8.2.3 Peering: Bilateral Agreements vary by region.** (D)(X)
NAP attaching Customers should intend to form bilateral agreements with other NAP-attached Customers. A physical connection to the NAP should not be considered as a commodity Internet connection. (D)(X)
(D)(X)
(D)(X)
(D)(X)
(D)(X)
- 8.2.4 Unspecified Bit Rate (UBR)** (T)(X)
UBR is the only Service category that will be supported with the NAP. The tolerance of UBR for bursty traffic enables the NAP to handle traffic fluctuations characteristic of Internet peering partnerships. (T)(X)
(T)(X)
- 8.2.5** With UBR, the application is assumed to be tolerant of network delays and not to require a timing relationship on each end of the connection. In addition, data applications requiring very high performance (that is, low cell loss) but not needing a timing relationship on each end and can feasibly use a UBR connection. (T)(X)
(T)(X)

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SECTION 8 – NETWORK ACCESS POINT (NAP) (Continued)**8.3 Rate Elements**

There are monthly recurring charges and nonrecurring charges that apply to the NAP Service. (T)(X)

The following describes the service components of NAP. There is one rate element that combines the Port, PVC and Access. (T)(X)
(T)(X)

Monthly recurring charges apply each month or fraction thereof, based upon the Port speed and TPP selected. (T)(X)
(D)(X)
(D)(X)

8.3.1 NAP Port

The NAP Port is a network interface that offers customers access to the NAP network. The NAP Port is offered at DS3, OC-3c, and OC-12c speeds. (T)(X)

8.3.2 NAP Access (T)(X)

NAP Access is the DS3, OC-3c, or OC-12c circuit between the NAP and the customer's meetpoint. (T)(X)

8.3.3 NAP PVC (N)(X)

A NAP PVC is a logical connection between ports that allows origination and termination of Customer ISP traffic. (N)(X)

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SECTION 8 – NETWORK ACCESS POINT (NAP) (Continued)**8.4 Rates****ASI-West**

Colocation / No Mileage		1 Year		3 Year		5 Year	
Port	Speed	Monthly	NRC	Monthly	NRC	Monthly	NRC
DS3	40 Mbps	\$ 5,000	\$ 6,000	\$ 4,500	\$ 3,000	\$ 3,800	\$ 0
OC-3c(T)(X)	148 Mbps	\$ 8,500	\$ 7,000	\$ 7,600	\$ 3,500	\$ 6,500(R)(X)	\$ 0
OC-12c(T)(X)	622 Mbps	\$ 24,100	\$ 9,000	\$ 21,900	\$ 4,500	\$18,000(R)(X)	\$ 0

Colocation Up To Five (5) Miles		1 Year		3 Year		5 Year	
Port	Speed	Monthly	NRC	Monthly	NRC	Monthly	NRC
DS3	40 Mbps	\$ 5,200	\$ 6,000	\$ 4,700	\$ 3,000	\$ 4,000	\$ 0
OC-3c(T)(X)	148 Mbps	\$ 9,400	\$ 7,000	\$ 8,400	\$ 3,500	\$ 7,500	\$ 0
OC-12c(T)(X)	622 Mbps	\$ 25,800	\$ 9,000	\$ 23,300	\$ 4,500	\$ 20,750	\$ 0

Non-Colocation / No Mileage		1 Year		3 Year		5 Year	
Port	Speed	Monthly	NRC	Monthly	NRC	Monthly	NRC
DS3	40 Mbps	\$ 6,400	\$ 6,000	\$ 5,000	\$ 3,000	\$ 4,100	\$ 0
OC-3c(T)(X)	148 Mbps	\$ 10,100	\$ 7,000	\$ 8,300	\$ 3,500	\$ 6,700	\$ 0
OC-12c(T)(X)	622 Mbps	\$ 26,000	\$ 9,000	\$ 22,900	\$ 4,500	\$ 18,400	\$ 0

Non-Colocation Up To Five (5) Miles		1 Year		3 Year		5 Year	
Port	Speed	Monthly	NRC	Monthly	NRC	Monthly	NRC
DS3	40 Mbps	\$ 7,100	\$ 6,000	\$ 5,800	\$ 3,000	\$ 4,800	\$ 0
OC-3c(T)(X)	148 Mbps	\$ 13,300	\$ 7,000	\$ 11,000	\$ 3,500	\$ 9,100	\$ 0
OC-12c(T)(X)	622 Mbps	\$ 34,700	\$ 9,000	\$ 30,800	\$ 4,500	\$ 25,200	\$ 0

Monthly Mileage Rates

Rates for Connections beyond five (5) include the following per air mile charge added to the 'Non-collocation Up to Five Miles' pricing above. The total mileage is computed as net mileage. That is, five (5) miles are deducted from the total distance from the NAP C.O. to the customer premises:

Port	Speed	1 Yr.	3 Yr.	5 Yr.
DS3	40 Mbps	\$ 42	\$ 42	\$ 42
OC-3c(T)(X)	148 Mbps	\$ 193	\$ 154	\$ 110
OC-12c(T)(X)	622 Mbps	\$ 330	\$ 275	\$ 200

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SECTION 8 – NETWORK ACCESS POINT (NAP) (Continued)**8.4 Rates (Continued)****ASI-North**

Franklin Carrier Meet		1 Year		3 Year		5 Year	
Port	Speed	Monthly	NRC	Monthly	NRC	Monthly	NRC
DS3	40 Mbps	\$ 4,900	\$ 2,000	\$ 4300	\$ 2000	\$ 3,900	\$ 2000
OC-3c(T)(X)	148 Mbps	\$ 5,800	\$ 3,000	\$ 5,400	\$ 3000	\$ 4,700	\$ 3000
OC-12c(T)(X)	622 Mbps	\$ 10,900	\$ 4,000	\$ 10,100	\$ 4000	\$ 9,300	\$ 4000

Wabash Carrier Meet		1 Year		3 Year		5 Year	
Port	Speed	Monthly	NRC	Monthly	NRC	Monthly	NRC
DS3	40 Mbps	\$ 5,400	\$ 2,000	\$ 5,100	\$ 2000	\$ 4,400	\$ 2000
OC-3c(T)(X)	148 Mbps	\$ 6,200	\$ 3,000	\$ 5,900	\$ 3000	\$ 5,200	\$ 3000
OC-12c(T)(X)	622 Mbps	\$ 13,600	\$ 4,000	\$ 12,600	\$ 4000	\$ 11,600	\$ 4000

Franklin CO. Zero Miles		1 Year		3 Year		5 Year	
Port	Speed	Monthly	NRC	Monthly	NRC	Monthly	NRC
DS3	40 Mbps	\$ 5,900	\$ 2,000	\$ 5,400	\$ 2000	\$ 4,700	\$ 2000
OC-3c(T)(X)	148 Mbps	\$ 6,900	\$ 3,000	\$ 6,400	\$ 3000	\$ 5,700	\$ 3000
OC-12c(T)(X)	622 Mbps	\$ 14,800	\$ 4,000	\$ 13,700	\$ 4000	\$ 12,700	\$ 4000

Franklin Co. One Mile		1 Year		3 Year		5 Year	
Port	Speed	Monthly	NRC	Monthly	NRC	Monthly	NRC
DS3	40 Mbps	\$ 6,600	\$ 2,000	\$ 5,800	\$ 2000	\$ 5,400	\$ 2000
OC-3c(T)(X)	148 Mbps	\$ 7,500	\$ 3,000	\$ 7,200	\$ 3000	\$ 6,500	\$ 3000
OC-12c(T)(X)	622 Mbps	\$ 17,500	\$ 4,000	\$ 16,200	\$ 4000	\$ 15,000	\$ 4000

Monthly Mileage Rates

Rates for connection beyond the above listed categories include the following per air mile charge added to the 'Franklin C.O. One Mile' pricing above. The total mileage is computed as net mileage. That is, one mile is deducted from the total distance from the Franklin C.O. to the customer premises:

Port	Speed	1 Yr.	3 Yr.	5 Yr.
DS3	40 Mbps	\$ 72	\$ 63	\$ 54
OC-3c(T)(X)	148 Mbps	\$ 320	\$ 280	\$ 240
OC-12c(T)(X)	622 Mbps	\$ 640	\$ 560	\$ 480

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SECTION 9 – PROMOTIONS (Continued)**Frame Relay Service Nonrecurring Charge Waiver**

Company will waive the following Nonrecurring Charges for new Frame Relay Service ordered from Sections 5.5 through 5.8 under a two (2) year TPP for the period from October 1, 2002 through December 29, 2002:

- 1) All Port Only and Port and Access Nonrecurring Charges.
- 2) PVC Nonrecurring Charges.

If Customer terminates Service prior to expiration of the committed service period, Termination Charges will apply as specified in Section 3 of this tariff and Customer will be assessed and liable for any nonrecurring charges waived as a result of this promotion.

(N)(X)

(N)(X)

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SECTION 11 – DISCOUNT PRICING PLANS

11. This section of the tariff contains discount pricing plans that apply to Services noted in each plan.

11.1 TPP Volume Discount Plan (TVP)

11.1.1 TPP Volume Discount Plan (TVP) is a discount pricing plan available to all Frame Relay and ATM Service Arrangements, except as noted in (5) and (6) below. TVP applies as follows:

(N)(X)

1. Customer is required to submit a Confirmation of Service Order to Company specifying it wishes to participate in TVP and identify desired Volume Commitment Level;
2. New Frame Relay or ATM Services in all regions ordered under a two (2)*, three (3) or five (5) year TPP will qualify for the TVP discounts;
3. Existing Frame Relay or ATM Services in all regions that are converted to new two (2)*, three (3) or five (5) year TPPs greater than or equal in length to the remaining portion of their current period qualify for TVP;
4. TVP discounts apply to monthly recurring charges for Frame Relay or ATM Port, PVCs⁽¹⁾, Access Link and Port, Port and Access and Port/Transport combinations in all regions. TVP discounts will be in addition to any discounts received under Term Pricing Plans. PVCs will receive TVP discounts but will not contribute to the Volume Commitment Levels described below;
5. Frame Relay Service purchased from Sections 5.1 through 5.4 at 56 Kbps and 64 Kbps in all regions, and OC-3 ATM Service purchased from Sections 4.1 through 4.4 in ASI-Northeast will contribute to the Volume Commitment Levels described below but will not receive TVP discounts.
6. For TVP Customers who submit Confirmation of Service Order to Company on or after September 28, 2002, Service arrangements purchased under ATM Host-Link are not eligible to receive TVP discounts and do not count toward the Volume Commitment Levels.

(N)(X)

(N)(X)

(N)(X)

(T)(X)

(T)(X)

(T)(X)

(N)(X)

| |

(N)(X)

11.1.2 Volume Discount Levels

Each Frame Relay or ATM Port, Access Link and Port, Port and Access or Port/Transport combination that meet the conditions set forth in 11.1.1 above will count toward the Volume Commitment Levels. A Service arrangement is defined as one Frame Relay or ATM Port Only or one Access Link and Port, Port and Access or Port/Transport combination.

(N)(X)

(T)(X)

(N)(X)

(N)(X)

(N)(X)

Services purchased on a month-to-month or one (1) year basis and Services converted to the Out of Term rates will not contribute to the Volume Commitment Level.

(N)(X)

(N)(X)

Customers may increase their volume discount level at any time during the TPP period. To receive the increased discount, Customer must sign a new two (2)*, three (3) or five (5) year TPP for all Services to be included in discount and submit a new Confirmation of Service Order indicating their desire to increase their Volume Commitment Level.

Section 11.1.1 preceding applies to all Frame Relay and ATM Service arrangements used to increase the Volume Commitment Level.

* The two (2) year TPP is not available for ATM Service purchased from Sections 4.1 through 4.4.

(C)(X)

(1) The TVP discounts apply to the monthly recurring charges for PVCs only if purchased from ATM Service offered in Sections 4.5 through 4.8 or Frame Relay Service offered in Section 5.5 through 5.8.

(N)(X)

(N)(X)

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SECTION 11 – DISCOUNT PRICING PLANS (Continued)**11.1 TPP Volume Discount Plan (TVP) (Continued)****11.1.3 Volume Discount Levels and TVP Discounts**

Number of Frame and ATM Service Arrangements	24*, 36 or 60 Month TPP	(T)(X) (C)(X)
(This category applies to Frame only or any combination of Frame and ATM Service arrangements)		

10-49	5%
50-99	7%
100-199	9%
200-299	11%
300+	13%

Number of ATM Service Arrangements	24*, 36 or 60 Month TPP	(T)(X) (C)(X)
(This category applies to ATM Service arrangements only)		

5-14	5%
15-24	7%
25-49	9%
50+	12%

11.1.4 Annual Review

Company will verify that Customer is maintaining its Volume Commitment Level annually on anniversary date of TVP agreement. Customer must maintain service quantities equal to or greater than their minimum volume commitment to remain eligible for the discount. If Customer drops below their committed volume level, Company will downgrade Customer to the appropriate volume discount level for which they qualify. If Customer's volume level drops below the minimum Volume Commitment Level specified in 11.1.3 preceding, TVP will no longer apply.

* The two (2) year TPP is not available for ATM Service purchased from Sections 4.1 through 4.4.

(N)(X)
(D)(X)

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