

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of)	
)	
Offer of Comparably Efficient)	CCB Pol. 96-09
Interconnection to Providers of)	
Enhanced Internet Access Services)	

MINOR AMENDMENT

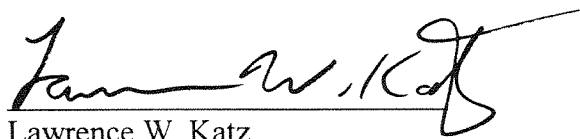
On February 10, 1998, Bell Atlantic amended the captioned Comparably Efficient Interconnection plan to offer Internet access services to add two additional services. The federal tariff cited in that amendment for one of those services, ATM Cell Relay Service ("ATM"), was for rates available to the general public.¹ Bell Atlantic now plans to offer its enhanced Internet access service to agencies of the Federal Government. Those agencies, and "other users authorized by the Federal Government," may obtain services under the Federal Government Access Services portion of Bell Atlantic's federal tariff. The ATM service specified in the Federal Government Access Service portion of Bell Atlantic's tariff is technically and operationally comparable to that referenced in the February amendment; only the rates and some of the terms and conditions differ. The tariff provision in question, a copy of which is attached, appears in:

Bell Atlantic Tariff FCC No. 1 - Section 10, Asynchronous Transfer Mode - Cell Relay Service (ATM-CRS) Case Number: 3155-96.

¹ The February amendment also included intrastate ATM services.

The Federal Government has authorized Bell Atlantic to subscribe to the Federal Government ATM service for the purpose of providing enhanced Internet access service to Federal agencies. Under the tariff, the Federal Government may give the same authorization to competing enhanced service providers that offer services to the Government. In this way, all enhanced service providers will be treated the same, with no discrimination. The Federal Government ATM offering has been available since May 8, 1997, so the requirement that the service be available for testing for at least 90 days has been met.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Lawrence W. Katz", written over a horizontal line.

Lawrence W. Katz

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November 30, 1998

ACCESS SERVICE

10. Federal Government Access Services (Cont'd)

10.9 Specialized Service and Arrangements

Services provided in this section are unique service arrangements for agencies and branches of the Federal Government, and other users authorized by the Federal Government. The rates and charges for these services are developed on an individual case basis. Unless otherwise stated these services are offered in the Washington LATA.

10.9.1 ASYNCHRONOUS TRANSFER MODE - CELL RELAY SERVICE (ATM-CRS)
Case Number: 3155-96

(C)

(A) Description

This specialized arrangement is a telecommunications switching and transport service that provides high speed connectivity between widely distributed locations. Asynchronous Transfer Mode - Cell Relay Service, ATM-CRS, use a fast packet, cell-based technology transported over high speed high capacity facilities. The network consists of transmission links between customer locations, serving wire centers, and certain Company ATM hubs (vendor specific serving wire centers).

(C)

ATM-CRS is available at transmission speeds of 1.544, 45, 155, and 622 Mbps. 155 and 622 Mbps services are provisioned over fiber facilities. At the customer's option, 155 Mbps service may be provisioned with SONET facilities. The Company will provide facilities at speeds of 1.544 and 45 Mbps suitable for access to the customer's premises network interface.

(C)

155 Mbps service over SONET will provide a survivable service that automatically switches to an alternate path in the event of a failure on the primary path; 155 Mbps service over a direct fiber facility will have diagnostic capability. However, 622 Mbps service over a direct fiber facility will not have diagnostic capability.

(N)

All ATM-CRS services in this offering are limited to where facilities are available, and may be available outside the Washington LATA.

(N)

(B) Definitions

Asynchronous Transfer Mode - Cell Relay Service (ATM-CRS): A transport connection service that relays information, unchanged, in cells (53 bytes = 1 cell) from one User Network Interface access line to one or more other UNIs.

Certain material formerly shown on this page now appears on Page 808.1.

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ACCESS SERVICE

10. Federal Government Access Services (Cont'd)

10.9 Specialized Service and Arrangements (Cont'd)

10.9.1 ASYNCHRONOUS TRANSFER MODE - CELL RELAY SERVICE (ATM-CRS)
Case Number: 3155-96

(T)

(B) Definitions (Cont'd)

Cell Delay Variation Tolerance (CDVT): The amount of variation permitted for early arrival of clusters of cells at the source UNI. Cells exceeding the CDVT will be declared non-conformant and will be discarded. The CDVT default values are:

(N)

OC12c = 50 microseconds
OC3c = 100 microseconds
DS3 = 150 microseconds
DS1 = 600 microseconds

(N)

Constant Bit Rate (CBR): A steady flow of information that contains smooth traffic or for which the end-system's response time requirements justify occupying a fully reserved CBR channel. Examples are videoconferencing,; interactive audio (e.g., telephony); audio/video distribution(e.g., television, distance learning, pay-per-view); audio/video retrieval (e.g., video-on-demand, audio library).

(T)

Maximum Burst Size (MBS): A traffic parameter that specifies the number of cells that can consecutively enter the UNI without intervening blank cells. The default MBS will be set to 100 cells. Cells exceeding the MBS will be declared a nonconformant and will be discarded.

(M)

(M)

(C)

(C)

(D)

(D)

Peak Cell Rate (PCR): A traffic parameter that specifies an upper bound on the traffic that can be submitted on a connection. Cells exceeding the PCR in a CBR connection will be discarded. In a Variable Bit Rate connection, cells will be allowed at the PCR for the amount of cells defined by the MBS. Cells exceeding the PCR or at the PCR and longer than the MBS in a VBR connection will be discarded.

(M)

(M)

(C)

(C)

Permanent Virtual Connection (PVC): A static path across the UNIs at customer premises and between the Company's ATM switch that provides a static virtual connection between two or more customer locations. A PVC is established by service order.

(N)

(N)

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10. Federal Government Access Services (Cont'd)

10.9 Specialized Service and Arrangements (Cont'd)

10.9.1 ASYNCHRONOUS TRANSFER MODE - CELL RELAY SERVICE (ATM-CRS)
Case Number: 3155-96 (Cont'd)

(T)

(B) Definitions (Cont'd)

Sustained Cell Rate (SCR): The maximum rate at which VBR connections may constantly transmit cells with high assurance that no cells will be lost. Cells transmitted within the SCR have the highest priority of the VBR traffic, and will not be tagged as eligible for discard.

(T)

(T)

Switched Virtual Connection (SVC): A dynamic path across the UNIs at customer premises and between the Company's ATM switch that provides a dynamic virtual connection between two or more customer locations. The path is established by interface signaling.

(N)

Unspecified Bit Rate (UBR): A flow of user information that contains uneven traffic. It is suitable for data applications that are very tolerant to delay and cell loss; e.g., text/data/image transfer, retrieval, distribution, massaging, and remote terminal (telecommuting).

(N)

User Network Interface (UNI) Access Line: A dedicated digital line and an interface, utilizing the ATM UNI standards, that provides a connection from the customer premises to the ATM hub or serving wire center. The effective maximum data rates for these services are 1.544, 45, 155 and 622 Mbps.

(T)

(T)

(C)

Variable Bit Rate (VBR): A flow of information that is bursty and does not flow at a constant rate. VBR is suitable for any application that can benefit from statistical multiplexing and can tolerate or recover from a potentially small random loss ration; e.g., Local Area Network (LAN) traffic.

(T)

(T)

Virtual Path Connections and Virtual Path Connections/Virtual Path Channels (VPC, VPC/VCC): VCCs and VPCs are virtual connections between customer locations. They are a type of PVC or SVC with independent identify and defined service parameters that may be provisioned statically (by service order) or dynamically (by interface signalling). VCCs are more specific in that they are defined connections within a VPC.

(C)

(C)

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10. Federal Government Access Services (Cont'd)

10.9 Specialized Service and Arrangements (Cont'd)

10.9.1 ASYNCHRONOUS TRANSFER MODE - CELL RELAY SERVICE (ATM-CRS)
Case Number: 3155-96 (Cont'd)

(T)

(C) Terms and Conditions

This service is provided pursuant to a 5-year contract. The minimum service period is six months and there are no other termination liabilities. If any individual service is terminated prior to the expiration of the minimum service period, termination liability charges are assessed at 100% of the monthly rate for the remaining portion of the six month minimum period.

(C)

(C)

The Company's responsibility is limited to the furnishing of communication facilities as ordered by the customer for the user network interface access line and for provisioning the user network interface access line to the customer's premises network interface.

(T)

(T)

The customer is responsible for submitting all service orders including those of its authorized agents.

The 1.544 UNI Access Line connection with PVC service is provisioned at full bandwidth for either VBR or CBR. For 45, 155 and 622 Mbps UNI Access Line connections with PVC services, VBR and CBR bandwidth is provisioned in increments. UNI Access Connections with SVC service is provisioned so that full bandwidth is dynamically available to the customer.

(N)

(N)

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10.9 Specialized Service and Arrangements (Cont'd)

10.9.1 ASYNCHRONOUS TRANSFER MODE - CELL RELAY SERVICE (ATM-CRS)
Case Number: 3155-96 (Cont'd)

(T)

(D) Rate Applications

Basic ATM-CRS service consists of 1) a UNI Access Line connection from the customer's location to the ATM hub, 2) at least one PVC (either a VPC or VPC/VCC) if a PVC UNI Access Connection, 3) formation of the customer's initial network map (the software defined connections) if a PVC service, and 4) unlimited usage based on the access line parameters.

(C)

For any combination of PVC and SVC service on the same UNI Access Line, the customer will pay the higher maximum monthly rate.

Other services include VPCs and VPC/VCC connections and an administrative service to rearrange the customer's network map.

Recurring charges apply for each UNI Access connections with SVC or PVC service and for VPC and VPC/VCCs connections. UNIs are defined by speed and are rated monthly according to the type of service (PVC or SVC) and the bandwidth ordered. The recurring monthly charge is rated in bands dependent on the total number of same speed UNI Access Lines the customer has.

There are minimum capacities of bandwidth for UNI Access Line with PVC services above the speed of 1.544 Mbps. Additional bandwidth is available in increments up to a bandwidth where there is a maximum monthly charge.

Nonrecurring charges apply for the installation of each UNI, and each additional VPC and VPC/VCC. Additionally a nonrecurring administrative charge applies for service order activities whenever the customer initiates changes to the existing network map.

(C)

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10.9 Specialized Service and Arrangements (Cont'd)

10.9.1 ASYNCHRONOUS TRANSFER MODE - CELL RELAY SERVICE (ATM-CRS)
Case Number: 3155-96 (Cont'd)

(T)

(E) Rates and Charges

<u>Rate Element</u>	<u>Rate Band</u>	<u>USOC</u>	<u>Recurring</u>	<u>Nonrecurring</u>	(N)
1) UNI Access Lines					
1.544, PVC or SVC	N/A	1ZUKC	\$ 600.00	\$ 535.00	(N)
45 Mbps					
PVC-VBR Service					
- 1st 10 Mbps	Any	1ZUEH	3,100.00	1,800.00	
- Each add'l 5 Mbps	Any	1ZUEJ	60.00		
- 35 Mbps and above	1-9	1ZUEK	3,400.00		
- 35 Mbps and above	10-19	1ZUKD	3,335.00		
- 35 Mbps and above	20-30	1ZUKE	3,300.00		
- 35 Mbps and above	31-up	1ZUKF	3,250.00		
PVC-CBR Service					
- 1st 10 Mbps	Any	1ZUEB	3,400.00	1,800.00	
- Each add'l 5 Mbps	Any	1ZUEC	65.00		
- 35 Mbps and above	1-9	1ZUED	3,725.00		
- 35 Mbps and above	10-19	1ZUKG	3,650.00		
- 35 Mbps and above	20-30	1ZUKH	3,615.00		
- 35 Mbps and above	31-up	1ZUKJ	3,540.00		
SVC Services					
	1-9	1ZUKK	3,375.00	1,800.00	
	10-19	1ZUKL	3,310.00	1,800.00	
	20-30	1ZUKM	3,275.00	1,800.00	
	31-up	1ZUKN	3,210.00	1,800.00	
155 Mbps Direct Fiber					
PVC-VBR Service					
- 1st 10 Mbps	Any	1ZUEL	2,050.00	2,600.00	
- Each add'l 5 Mbps	Any	1ZUEM	150.00		
- 70 Mbps and above	1-9	1ZUEN	3,850.00		
- 70 Mbps and above	10-19	1ZUKO	3,660.00		
- 70 Mbps and above	20-30	1ZUKP	3,580.00		
- 70 Mbps and above	31-up	1ZUKQ	3,470.00		
PVC-CBR Service					
- 1st 10 Mbps	Any	1ZUEE	2,250.00	2,600.00	
- Each add'l 5 Mbps	Any	1ZUEF	160.00		
- 70 Mbps and above	1-9	1ZUEG	4,170.00		
- 70 Mbps and above	10-19	1ZUKR	3,965.00		
- 70 Mbps and above	20-30	1ZUKS	3,885.00		
- 70 Mbps and above	31-up	1ZUKT	3,765.00		(C)

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10.9 Specialized Service and Arrangements (Cont'd)

10.9.1 ASYNCHRONOUS TRANSFER MODE - CELL RELAY SERVICE (ATM-CRS)
Case Number: 3155-96 (Cont'd)

(T)

(E) Rates and Charges (Cont'd)

Rate Element	Rate Band	USOC	Recurring	Nonrecurring	
1) UNI Access Lines (Cont'd)					
155 Mbps Direct Fiber					
(C)					
SVC Service					
	1-9	1ZUKU	3,650.00	2,600.00	
	10-19	1ZUKV	3,475.00	2,600.00	
	20-30	1ZUKW	3,375.00	2,600.00	
	31-up	1ZUKX	3,300.00	2,600.00	
UBR Service	N/A	1ZUKY	1,975.00	2,600.00	(C)
155 Mbps SONET					
(N)					
PVC-VBR Service					
- 1st 10 Mbps	Any	1ZUKZ	4,200.00	2,600.00	
- Each add'l 5 Mbps	Any	1ZUK1	80.00		
- 70 Mbps and above	1-9	1ZUK2	5,160.00		
- 70 Mbps and above	10-19	1ZUK3	4,875.00		
- 70 Mbps and above	20-30	1ZUK4	4,800.00		
- 70 Mbps and above	31-up	1ZUK5	4,600.00		
PVC-CBR Service					
- 1st 10 Mbps	Any	1ZUK6	4,350.00	2,600.00	
- Each add'l 5 Mbps	Any	1ZUK7	85.00		
- 70 Mbps and above	1-9	1ZUK8	5,370.00		
- 70 Mbps and above	10-19	1ZUK9	5,100.00		
- 70 Mbps and above	20-30	1ZULA	4,995.00		
- 70 Mbps and above	31-up	1ZULB	4,835.00		
SVC Service					
	1-9	1ZULC	4,450.00	2,600.00	
	10-19	1ZULD	4,400.00	2,600.00	
	20-30	1ZULE	4,375.00	2,600.00	
	31-up	1ZULF	4,200.00	2,600.00	
UBR Service	N/A	1ZULG	4,175.00	2,600.00	(N)

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10. Federal Government Access Services (Cont'd)

10.9 Specialized Service and Arrangements (Cont'd)

10.9.1 ASYNCHRONOUS TRANSFER MODE - CELL RELAY SERVICE (ATM-CRS)
Case Number: 3155-96 (Cont'd) (T)

(E) Rates and Charges (Cont'd)

<u>Rate Element</u>	<u>Rate Band</u>	<u>USOC</u>	<u>Recurring</u>	<u>Nonrecurring</u>	
1) UNI Access (Cont'd)					
622 Mbps Direct Fiber (N)					
PVC-VBR Service					
- 1st 155 Mbps	N/A	1ZULH	10,300.00	4,000.00	
- Each add'l 10 Mbps	N/A	1ZULJ	165.00		
- 355 Mbps and above	N/A	1ZULK	13,600.00		
PVC-CBR Service					
- 1st 155 Mbps	N/A	1ZULL	10,500.00	4,000.00	
- Each add'l 10 Mbps	N/A	1ZULM	180.00		
- 355 Mbps and above	N/A	1ZULN	14,100.00		
SVC Service	N/A	1ZULO	10,150.00	4,000.00	(N)
2) Other Services (T)					
- per occurrence or path					
VPC-VBR	Any	1ZUEO	5.00	50.00	
VPC-CBR	Any	1ZULP	5.00	50.00	
VPC-UBR	Any	1ZULQ	5.00	50.00	
VPC/VCC-VBR	Any	1ZUEP	2.50	50.00	
VPC/VCC-CBR	Any	1ZULR	2.50	50.00	
VPC/VCC-UBR	Any	1ZULS	2.50	50.00	(T)
Administrative Change	Any	1ZUET	N/A	300.00	(C)

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