

EFFECTIVE: JULY 17, 2004

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The Title Page and Pages 1 to 29-6 inclusive of this tariff are effective as of the date shown.

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2.1	75th	23.1	Original	57	6th
3	69th	24	8th	58	4th
3.1	11th	25	12th	59	7th
4	164th	26	1st	60	9th
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6	96th	27.3	5th	64	4th
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20-4.1	3rd	21-1.0.3	Original	21-21	1st
20-5	6th	21-1.1	4th	21-22	1st
20-6	7th	21-1.1.1	Original	21-23	9th
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20-23.1	3rd	21-7.1.1	Original	21-30.1	Original
20-24	11th	21-7.2	Original	21-31	Original
20-25	7th	21-8	6th	21-32	4th
20-26	7th	21-8.1	1st	21-32.0.1	4th
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20-29	12th	21-9	2nd	21-35	1st
20-29.1	6th	21-10	2nd	21-35.1	Original
20-30	10th	21-11	2nd	21-35.2	Original
20-30.1	7th	21-11.1	Original	21-35.3	Original
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21-38.3	2nd	21-41.9.2	1st	21-43.15	1st
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21-39.2	1st	21-41.10	1st	21-46.3	Original
21-39.3	1st	21-41.11	2nd	21-47	Original
21-39.4	2nd	21-41.12	2nd	21-48	1st
21-39.5	1st	21-41.13	2nd	21-49	1st
21-39.6	2nd	21-41.14	2nd	21-49.1	Original
21-39.7	Original	21-41.15	2nd	21-49.2	Original
21-39.8	Original	21-41.16	2nd	21-50	1st
21-40	1st	21-41.17	2nd	21-51	1st
21-40.1	2nd	21-41.18	3rd	21-51.1	Original
21-40.2	2nd	21-41.19	1st	21-51.2	Original
21-40.3	2nd	21-41.20	2nd	21-52	1st
21-40.4	2nd	21-41.21	1st	21-53	1st
21-40.5	2nd	21-41.22	1st	21-53.1	1st
21-40.6	2nd	21-41.23	1st	21-53.0.1	4th
21-40.7	2nd	21-41.24	2nd	21-54	1st
21-41	3rd	21-41.24.1	Original	21-55	Original
21-41.0.1	1st	21-41.24.2	Original	21-56	Original
21-41.0.2	1st	21-41.25	Original	21-57	1st
21-41.0.3	1st	21-41.26	1st	21-58	1st
21-41.0.4	1st	21-41.27	Original	21-59	3rd
21-41.0.5	1st	21-41.28	1st	21-59.1	1st
21-41.0.6	2nd	21-41.29	Original	21-59.2	1st
21-41.0.6.1	Original	21-41.30	1st	21-59.2.1	Original*
21-41.0.6.2	Original	21-41.31	Original	21-59.3	1st
21-41.0.7	Original	21-41.32	1st	21-59.4	1st
21-41.0.8	1st	21-42	3rd	21-59.5	2nd
21-41.0.9	Original	21-42.1	Original		
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21-41.0.11	Original	21-43.1	Original		
21-41.0.12	1st	21-43.2	Original		
21-41.0.13	Original	21-43.3	Original		
21-41.0.14	1st	21-43.4	Original		
21-41.1	1st	21-43.5	1st		
21-41.2	2nd	21-43.6	1st		
21-41.3	2nd	21-43.7	Original		
21-41.4	2nd	21-43.8	1st		
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21-60.1.2	1st				
21-60.1.2.1	Original*				
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ACCESS SERVICE

21 - Fast Packet Access Services

21.2 Exchange Access Connectionless Data Service (XACDS) (a.k.a. BellSouth Exchange Access Connectionless Data Service) (Cont'd)

21.2.10 Rate and Charges (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(C) <u>Feature Change Charge</u>			
-Per Occurrence, per Feature	XACFC	None	25.00
(D) <u>Transfer of Service</u>			
-Per Billing Account Number	XACTF	None	65.00

21.3 BellSouth Exchange Access Asynchronous Transfer Mode Service (XAATMS)

21.3.1 General Description

BellSouth Exchange Access Asynchronous Transfer Mode (ATM) Service (XAATMS) is a connection-oriented data service based on ATM cell-based switching technology. BellSouth XAATMS allows for the interconnection of ATM compatible customer equipment by providing efficient throughput at high speeds of transmission. BellSouth XAATMS provides the switching of symmetrical duplex transmissions of fixed-length ATM cells (herein referred to as ATM cells).

A user network interface (UNI) is available with BellSouth XAATMS. The UNI is a standard interface used to connect the customer to the BellSouth XAATMS switch. It receives the ATM cells into the ATM switch and verifies that the addressing and traffic parameters are valid (according to BellSouth XAATMS technical specifications as referenced in Section 21.3.3 following) before relaying the ATM cells to the specified destination. The UNI is offered at transmission speeds of 1.536 Mbps, 3.072 Mbps, 4.608 Mbps, 6.144 Mbps, 7.680 Mbps, 9.216 Mbps, 10.752 Mbps, 12.288 Mbps, 18 Mbps, 24 Mbps, 30 Mbps, 36 Mbps, 44.210 Mbps, 149.760 Mbps and 599.040 Mbps. Additionally, Back-Up Network Interfaces are available to provide Back-Up Capability on an optional basis. Back-Up Capability provides the ability to have a back-up logical port configured to meet a customer's needs in the event that the customer's primary connection is disabled. (C)

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21.3 BellSouth Exchange Access Asynchronous Transfer Mode Service (XAATMS)  
 (Con'td)

21.3.1 General Description (Cont'd)

A customer requiring more than a DS1 but less than a DS3, can economically utilize Inverse Multiplexing for ATM Service (IMA) to achieve ATM speeds in DS1 multiples and thereby avoid subscribing to a DS3 user network interface. IMA is a physical layer technology in which a high-speed cell stream is broken down and transported across multiple DS1 links, then reconstructed back into the original stream at the ATM switch or other associated ATM equipment. IMA allows multiple DS1 links to be treated as a single, coherent ATM connection that can be managed as a linked group. IMA network interfaces are available at speeds in multiples of 1.536 Mbps (in quantities from 2 to 8) which results in ATM user network interfaces of 3.072 Mbps, 4.608 Mbps, 6.144 Mbps, 7.680 Mbps, 9.216 Mbps, 10.752 Mbps and 12.288 Mbps. Additionally, DSL service currently cannot be provisioned on IMA. (C)

ATM Service IMA Customer Connection Speed	Quantity of DS1 Links Required	
3.072 Mbps	2	
4.608 Mbps	3	
6.144 Mbps	4	
7.680 Mbps	5	
9.216 Mbps	6	
10.752 Mbps	7	(N)
12.288 Mbps	8	(N)

Transmission speeds of 18 Mbps, 24 Mbps, 30 Mbps and 36 Mbps are provisioned utilizing 44.210 Mbps of transport bandwidth. Therefore, oversubscription is not allowed at speeds of 18 Mbps, 24 Mbps, 30 Mbps and 36 Mbps; the sum of the equivalent bandwidth for all permanent virtual connections must be less than or equal to the bandwidth of the specified speed. Additionally, Unspecified Bit Rate permanent virtual connections are not allowed on transmission speeds of 18 Mbps, 24 Mbps, 30 Mbps and 36 Mbps.

The rate structure for BellSouth XAATMS is comprised of a Network Interface rate element by transmission speed and rate elements for PVC Features (representing ATM traffic). Connection to BellSouth XAATMS network interfaces is accomplished through dedicated access. For interstate dedicated access, rates, charges, and regulations for Special Access (a.k.a. BellSouth SPA) Services are specified in Section 7 preceding. Only non-channelized bandwidth may terminate on a BellSouth XAATMS network interface.

As BellSouth XAATMS is a connection oriented service, to transfer information a virtual connection must be set up between two network interfaces on a BellSouth XAATMS switch. BellSouth XAATMS supports ATM traffic via permanent virtual connections (PVCs). PVCs are bi-directional virtual channels that are established via the service provisioning process.

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21.3 BellSouth Exchange Access Asynchronous Transfer Mode Service (XAATMS)  
 (Cont'd)

21.3.10 Rates and Charges

(A) Network Interfaces

(1) Standard or Primary Network Interfaces

	USOC	Month to Month	A 12 to 24 Months	B 25 to 48 Months	Nonrecurring Charges	
-Per UNI						
-1.536 Mbps	XAA11	\$ 294.00	\$ 268.00	\$ 194.00	\$ 500.00	
-3.072 Mbps	XAA37	\$ 544.00	\$ 435.00	\$ 354.00	\$ 750.00	
-4.608 Mbps	XAA46	\$ 718.00	\$ 574.00	\$ 467.00	\$ 750.00	
-6.144 Mbps	XAA61	\$ 892.00	\$ 713.00	\$ 580.00	\$ 750.00	
-7.680 Mbps	XAA76	\$ 1115.00	\$ 892.00	\$ 725.00	\$ 750.00	
-9.216 Mbps	XAA92	\$ 1387.00	\$ 1109.00	\$ 901.00	\$ 750.00	
-10.752 Mbps	XAA10	\$ 1610.00	\$ 1288.00	\$ 1046.00	\$ 750.00	(N)
-12.288 Mbps	XAA12	\$ 1833.00	\$ 1466.00	\$ 1191.00	\$ 750.00	(N)
-18 Mbps <sup>1</sup>	XAA18	\$ 1911.00	\$ 1529.00	\$ 1242.00	\$ 750.00	
-24 Mbps <sup>1</sup>	XAA24	\$ 2009.00	\$ 1607.00	\$ 1306.00	\$ 750.00	
-30 Mbps <sup>1</sup>	XAA30	\$ 2205.00	\$ 1764.00	\$ 1433.00	\$ 750.00	
-36 Mbps <sup>1</sup>	XAA36	\$ 2352.00	\$ 1882.00	\$ 1529.00	\$ 750.00	
-44.210 Mbps	XAA14	\$ 2426.00	\$ 1920.00	\$ 1550.00	\$ 750.00	
-149.760 Mbps	XAA17	\$ 4500.00	\$ 4050.00	\$ 2880.00	\$ 1000.00	
-599.040 Mbps	XAA19	\$ 9000.00	\$ 8100.00	\$ 5800.00	\$ 1500.00	

Note 1: Technical limitations associated with the provisioning of Transmission Speeds 18 Mbps, 24 Mbps, 30 Mbps, and 36 Mbps are set forth in 21.3.1.

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### 21 - Fast Packet Access Services

#### 21.5 Managed Shared ATM Service (MSATMS)

##### 21.5.1 General Description

Managed Shared ATM Service (MSATMS) provides total premises to switch connectivity to BellSouth's ATM network through User-to-Network Interfaces (UNI) on the ATM switch. MSATMS is a connection oriented data service based on ATM cell-based switching technology. MSATMS allows for the interconnection of ATM compatible customer equipment by providing efficient throughput at high speeds of transmission. MSATMS provides the switching of symmetrical duplex transmission of fixed length ATM cells.

MSATMS is a service under which the customer assigns to the Telephone Company the responsibility for facility design, engineering and routing of ATM services in a MSATMS Service Area. A MSATMS Service Area is comprised of all the central offices in a geographic area (e.g., a large metropolitan area) as defined by the Telephone Company; these central offices are referred to as Service Area Points (SAP). The Telephone Company undertakes the responsibility to route the service from the customer's premises to the MSATMS network using whatever facilities and switch placement designs within the Service Area that would best deliver quality service. MSATMS facilities are stand-alone facilities and may not be provisioned over a customer's higher capacity Special Access facilities.

The rate structure for MSATMS is comprised of MSATMS Connections, PVC Features and Optional Features.

The primary MSATMS rate element is a MSATMS Connection. This rate element provides the transport from the customer premises to the MSATMS network. MSATMS Connections provide transport to the BellSouth ATM network using network interfaces on the ATM switch configured as User-to-Network Interfaces (UNI). The MSATMS Connection provides this standard network interface on the BellSouth ATM switch to receive the ATM cells into the switch and verify that the addressing and traffic parameters are valid before relaying the ATM cells to the specified destination. All ATM switches within the MSATMS Service Area are linked together to form the MSATMS network which is accessible through a MSATMS Connection. MSATMS Connections are offered at transmission speeds of 1.536 Mbps, 3.072 Mbps, 4.608 Mbps, 6.144 Mbps, 7.680 Mbps, 9.216 Mbps, 10.752 Mbps, 12.288 Mbps, 18 Mbps, 24 Mbps, 30 Mbps, 36 Mbps, 44.210 Mbps, 149.760 Mbps and 599.040 Mbps. (C)

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#### 21.5 Managed Shared ATM Service (MSATMS) (Cont'd)

##### 21.5.1 General Description (Cont'd)

A customer requiring more than a DS1 but less than a DS3, can economically utilize Inverse Multiplexing for ATM Service (IMA) to achieve ATM speeds in DS1 multiples and thereby avoid subscribing to a DS3 user network interface. IMA is a physical layer technology in which a high-speed cell stream is broken down and transported across multiple DS1 links, then reconstructed back into the original stream at the ATM switch or other associated ATM equipment. IMA allows multiple DS1 links to be treated as a single, coherent ATM connection that can be managed as a linked group. IMA network interfaces are available at speeds in multiples of 1.536 Mbps (in quantities from 2 to 8) which results in ATM user network interfaces of 3.072 Mbps, 4.608 Mbps, 6.144 Mbps, 7.680 Mbps, 9.216 Mbps, 10.752 Mbps and 12.288 Mbps. Additionally, DSL service currently cannot be provisioned on IMA. (C)

ATM Service IMA Customer Connection Speed	Quantity of DS1 Links Required	
3.072 Mbps	2	
4.608 Mbps	3	
6.144 Mbps	4	
7.680 Mbps	5	
9.216 Mbps	6	
10.752 Mbps	7	(N)
12.288 Mbps	8	(N)

Transmission speeds of 18 Mbps, 24 Mbps, 30 Mbps and 36 Mbps are provisioned utilizing 44.210 Mbps of transport bandwidth. Therefore, oversubscription is not allowed at speeds of 18 Mbps, 24 Mbps, 30 Mbps and 36 Mbps; the sum of the equivalent bandwidth for all permanent virtual connections must be less than or equal to the bandwidth of the specified speed. Additionally, Unspecified Bit Rate permanent virtual connections are not allowed on transmission speeds of 18 Mbps, 24 Mbps, 30 Mbps and 36 Mbps.

The appropriate rate for a MSATMS Connection is dependent upon the transmission speed requested and, unless specified otherwise herein this Section, whether or not the customer's serving wire center is in the MSFRS Service Area.

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21.5 Managed Shared ATM Service (MSATMS) (Cont'd) (N)

21.5.10 Rates and Charges (Cont'd) (N)

(A) MSATMS Connections (Cont'd) (N)

(1) UNI (Cont'd) (N)

	USOC	Month to Month	A 12 to 24 Months	B 25 to 48 Months	Nonrecurring Charges	(N)
10.752 Mbps (BCOS : MS5XM) (N)						
- MSATMS Connection	MS510	\$2628.00	\$2218.00	\$2042.00	\$3580.00	(N)
- MSATMS Extended Connection <sup>1</sup>	MS5EA	3524.00	2890.00	2574.00	4420.00	(N)
- MSATMS Extended Connection <sup>2</sup>	MS5EA	4196.00	3394.00	2826.00	4420.00	(N)
- MSATMS Extended Connection <sup>3</sup>	MS5EA	4756.00	3814.00	3106.00	4420.00	(N)
- MSATMS Extended Connection <sup>4</sup>	MS5EA	5428.00	4318.00	3442.00	4420.00	(N)
- MSATMS Extended Connection <sup>5</sup>	MS5EA	5988.00	4738.00	3722.00	4420.00	(N)
- MSATMS Extended Connection <sup>6</sup>	MS5EA	6548.00	5158.00	4142.00	4420.00	(N)
12.288 Mbps (BCOS : MS5XM) (N)						
- MSATMS Connection	MS512	\$2992.00	\$2534.00	\$2310.00	\$4045.00	(N)
- MSATMS Extended Connection <sup>1</sup>	MS5EB	4016.00	3302.00	2918.00	5005.00	(N)
- MSATMS Extended Connection <sup>2</sup>	MS5EB	4784.00	3878.00	3206.00	5005.00	(N)
- MSATMS Extended Connection <sup>3</sup>	MS5EB	5424.00	4358.00	3526.00	5005.00	(N)
- MSATMS Extended Connection <sup>4</sup>	MS5EB	6192.00	4934.00	3910.00	5005.00	(N)
- MSATMS Extended Connection <sup>5</sup>	MS5EB	6832.00	5414.00	4230.00	5005.00	(N)
- MSATMS Extended Connection <sup>6</sup>	MS5EB	7472.00	5894.00	4710.00	5005.00	(N)

- Note 1: Customer Premises SWC is over 0 to 20 miles outside Service Area. (N)  
 Note 2: Customer Premises SWC is over 20 to 50 miles outside Service Area. (N)  
 Note 3: Customer Premises SWC is over 50 to 75 miles outside Service Area. (N)  
 Note 4: Customer Premises SWC is over 75 to 100 miles outside Service Area. (N)  
 Note 5: Customer Premises SWC is over 100 to 125 miles outside Service Area. (N)  
 Note 6: Customer Premises SWC is over 125 miles outside Service Area. (N)

EFFECTIVE: JULY 17, 2004

ACCESS SERVICE

21 - Fast Packet Access Services

21.5 Managed Shared ATM Service (MSATMS) (Cont'd)

21.5.10 Rates and Charges (Cont'd)

(B) MSATMS Meetpoint Extended Connections (Cont'd)

(1)UNI (Cont'd)

	<u>USOC</u>	<u>Month to Month</u>	<u>A 12 to 24 Months</u>	<u>B 25 to 48 Months</u>	<u>Nonrecurring Charges</u>
10.752 Mbps (BCOS : MS5XM)					
- MSATMS Meetpoint Extended Connection <sup>1</sup>	MS5MA	\$3140.00	\$2575.00	\$2293.00	\$2495.00
- MSATMS Meetpoint Extended Connection <sup>2</sup>	MS5MA	3812.00	3083.00	2567.00	2495.00
- MSATMS Meetpoint Extended Connection <sup>3</sup>	MS5MA	4372.00	3506.00	2855.00	2495.00
- MSATMS Meetpoint Extended Connection <sup>4</sup>	MS5MA	5044.00	4012.00	3198.00	2495.00
- MSATMS Meetpoint Extended Connection <sup>5</sup>	MS5MA	5604.00	4434.00	3483.00	2495.00
- MSATMS Meetpoint Extended Connection <sup>6</sup>	MS5MA	6164.00	4855.00	3899.00	2495.00
12.288 Mbps (BCOS : MS5XM)					
- MSATMS Meetpoint Extended Connection <sup>1</sup>	MS5MB	\$3632.00	\$2987.00	\$2639.00	\$2805.00
- MSATMS Meetpoint Extended Connection <sup>2</sup>	MS5MB	4400.00	3567.00	2949.00	2805.00
- MSATMS Meetpoint Extended Connection <sup>3</sup>	MS5MB	5040.00	4050.00	3277.00	2805.00
- MSATMS Meetpoint Extended Connection <sup>4</sup>	MS5MB	5808.00	4628.00	3668.00	2805.00
- MSATMS Meetpoint Extended Connection <sup>5</sup>	MS5MB	6448.00	5110.00	3993.00	2805.00
- MSATMS Meetpoint Extended Connection <sup>6</sup>	MS5MB	7088.00	5591.00	4468.00	2805.00

Note 1: Meetpoint is over 0 to 20 miles outside Service Area.  
 Note 2: Meetpoint is over 20 to 50 miles outside Service Area.  
 Note 3: Meetpoint is over 50 to 75 miles outside Service Area.  
 Note 4: Meetpoint is over 75 to 100 miles outside Service Area.  
 Note 5: Meetpoint is over 100 to 125 miles outside Service Area.  
 Note 6: Meetpoint is over 125 miles outside Service Area.