

## ACCESS SERVICE

## RATES, RULES AND CHARGES

Title Page and Pages 1 to 22-45, inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement No. 4 contains all changes from the original tariff that are in effect on the date hereof.

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\* New or Revised

(This page filed under Transmittal No. 65)

Issued: May 13, 2004

Effective: May 28, 2004

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ACCESS SERVICE  
RATES, RULES AND CHARGES  
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7-52	Original	7-90	Original
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\*New or Revised

(This page filed under Transmittal No. 65)

Issued: May 13, 2004

Effective: May 28, 2004

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## RATES, RULES AND CHARGES

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\*New or Revised

(This page filed under Transmittal No. 65)

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## ACCESS SERVICE

8. Multi-service Optical Network (MON) Ring Service (Cont'd)8.1 General Description (Cont'd)(B) Service Provisioning(1) Manner of Provisioning

MON Ring Service will be offered in two configurations. Customers can purchase MON Ring with growth capacity up to 16-wavelengths or up to 32-wavelengths. The 32-wavelength systems may be provisioned as two 16-wavelength systems sharing common fiber and common equipment. Conversions from 16-wavelength MON Rings to 32-wavelength MON Rings are not available.

Customer provided equipment(CPE) must deliver the data signals for the MON Ring Service transport within the technical specifications for the subscribed data service.

Technical specifications can be found in the following Technical Reference Publications:

AM TR-NIS-000100, Ameritech LAN Interconnect Service-Token Ring Interface Specifications  
AM TR-NIS-000104, Ameritech LAN Interconnect Service -CSMA CD Interface Specifications  
AM-TR-NIS-000111, Ameritech OC-3, OC-12, and OC-48 Service Interface Specifications  
AM-TR-TMO-000101, Ameritech Digital Service Transmission Parameters  
AM-TR-TMO-000080, Ameritech Service's Network Channel and Network Channel Interface Codes  
AM-TR-NIS-000096, Ameritech Technical Interfaces Specifications  
AM-TR-NIS-000107, (ESCON™)  
IBM SA22-7202-XX, IBM Documentation (ESCON™)  
IBM SA22-0394-XX  
ANSI X3.T9.3, Fibre Channel (also includes FICON™ and ISC™)  
ANSI/IEEE 802.3, Fast Ethernet  
IEEE 802.3x and z, Gigabit Ethernet  
IEEE 802.3ae  
ANSI/SMPTE 259M, D1 Video

(D)

(D)

The customer must first order the MON Ring Transport System followed by the MON Ring Channels. When ordering ESCON™, Fast Ethernet, D1 Video and OC-3/OC-3c ports, the customer must first order a MON Ring Channel Sub-Rate System over which these services will be assigned. Subsequent changes to the initial provisioning of the service may require additional optical amplifiers and/or regenerators.

OC-12/OC-12c, Gigabit Ethernet, Fibre Channel and FICON™ ports at the 1.0625 Gbps speed may be ordered either on the MON Ring, or as a riding circuit on a Sub-Rate System. Fibre Channel and FICON™ ports at the 2.125 Gbps speed may only be ordered on the MON Ring, and are not available on a Sub-Rate System.

(N)

(N)

(N)

(N)

(N)

Material previously appearing on this page now appears on Original Page 8-3.1.

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(This page filed under Transmittal No. 65)

ACCESS SERVICE

8. Multi-service Optical Network (MON) Ring Service (Cont'd)

8.1 General Description (Cont'd)

(B) Service Provisioning

(1) Manner of Provisioning (Cont'd)

MON Ring Service provides physical layer transport only.  
Telephone Company assumes no responsibility for the signals  
generated by the CPE, or address signaling to the extent the  
CPE performs addressing. Error detection and correction of  
data generated by the CPE are the customer's responsibility.

(M)

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Material appearing on this page previously appeared on Original Page 8-3.

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## ACCESS SERVICE

8. Multi-service Optical Network (MON) Ring Service (Cont'd)8.3 Rate Regulations (Cont'd)(B) MON Ring Connection Capacity (Cont'd)

## (2) Other Protocols:

Fibre Channel (1.0625 and 2.125 Gbps) - an industry standard protocol used to interconnect Storage Area Networks (SANs). Fibre Channel is limited to a maximum distance of 100 km and actual throughput is distance sensitive.

Fast Ethernet - a version of Ethernet that allows data transmission rates of 100 Mbps.

Gigabit Ethernet - a version of Ethernet that allows data transmission rates of 1 Gbps.

10 Gigabit Ethernet (WAN-PHY) - a version of Ethernet that allows data transmission rates of 9.953 Gbps with a WAN-PHY only interface. (T)

10 Gigabit Ethernet (LAN-PHY)- a version of Ethernet that allows data transmission rates of 10.3125 Gbps with a LAN-PHY only interface. (N)  
(N)  
(N)

D1 Video - uncompressed digital video signal operating at 270 Mbps.

GigE/FC/ FICON™ Sub-Rate System (2:1) - provides a multiplexing system which allows customers to put 2 Gigabit Ethernet (GigE) Channels, 2 Fibre Channels or 2 FICON™ Channels on one port card. (N)

ESCON™ Sub-Rate System (8:1)- provides a multiplexing system which allows customers to put up to 8 ESCON™ Channels (no other protocol) on one port card.

OC-3/OC-12 Sub-Rate System (4:1)- provides a multiplexing system which allows customers to put up to 4 OC-3/OC-3c signals or combinations thereof on one card. This sub-rate multiplexing system will have independent timing which allows multiple OC-3/OC-3c services and/or OC-12/OC-12c services on one Sub-Rate card. (N)

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## ACCESS SERVICE

8. Multi-service Optical Network (MON) Ring Service (Cont'd)8.4 Rates and Charges (Cont'd)(C) Ports (Cont'd)-per port/per circuit  
terminating location

	<u>USOC</u>	<u>Monthly Rates</u> <u>3 Year</u>	<u>5 Year</u>	<u>Monthly</u> <u>Extension</u>
(6) Fibre Channel (2.125 Gbps)				
-unprotected channel	POYYW	\$1,700.00	\$1,300.00	\$2,400.00
-protected channel	POYYP	3,400.00	2,600.00	4,800.00
(7) Gigabit Ethernet				
- unprotected channel	POYLW	1,200.00	900.00	1,700.00
- protected channel	POYLP	2,400.00	1,800.00	3,400.00
(8) 10 Gigabit Ethernet (WAN-PHY)				
- unprotected channel	POYTW	15,000.00	12,500.00	21,000.00
- protected channel	POYTP	20,000.00	16,700.00	28,000.00
(9) 10 Gigabit Ethernet (LAN-PHY)				
- unprotected channel	POYUW	15,375.00	12,815.00	21,525.00
- protected channel	POYUP	20,500.00	17,120.00	28,700.00
(10) SONET OC-12/OC-12c				
- unprotected channel	POYFW	1,300.00	1,000.00	1,900.00
- protect channel	POYFP	2,600.00	2,000.00	3,700.00
(11) SONET OC-48/48c				
- unprotected channel	POYGW	4,400.00	3,700.00	6,000.00
- protected channel	POYGP	6,600.00	5,560.00	9,000.00
(12) SONET OC-192				
- unprotected channel	POYOW	15,000.00	12,500.00	21,000.00
- protected channel	POYOP	20,000.00	16,700.00	28,000.00

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(This page filed under Transmittal No. 65)

Issued: May 13, 2004

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One SBC Plaza, Dallas, Texas 75202

## ACCESS SERVICE

8. Multi-service Optical Network (MON) Ring Service (Cont'd)8.4 Rates and Charges (Cont'd)(C) Ports (Cont'd)-per port/per circuit  
terminating location

	<u>USOC</u>	<u>Monthly Rates</u>		<u>Monthly</u>	
		<u>3 Year</u>	<u>5 Year</u>	<u>Extension</u>	
(13) Sub-Rate System					(T)
- unprotected channel	POYSW	\$1,300.00	\$1,000.00	\$1,900.00	
- protected channel	POYSP	2,600.00	2,000.00	3,700.00	
(14) ESCON <sup>TM/1/*</sup>					(T)
- unprotected channel	POYHW	100.00	100.00	150.00	
- protected channel	POYHP	100.00	100.00	150.00	
(15) Fast Ethernet*					(T)
- unprotected channel	POYCW	325.00	250.00	500.00	
- protected channel	POYCP	500.00	400.00	800.00	
(16) D1 Video*					(T)
- unprotected channel	POYVW	100.00	100.00	150.00	
- protected channel	POYVP	100.00	100.00	150.00	
(17) SONET OC-3/OC-3c**					(C)
- unprotected channel	POYEW	100.00	100.00	150.00	
- protected channel	POYEP	100.00	100.00	150.00	

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\*\*Available only when ordered with Sub-Rate System or OC-3/OC-12 Sub-Rate System.

(This page filed under Transmittal No. 65)

Issued: May 13, 2004

Effective: May 28, 2004

One SBC Plaza, Dallas, Texas 75202



## ACCESS SERVICE

8. Multi-service Optical Network (MON) Ring Service (Cont'd)

(N)

8.4 Rates and Charges (Cont'd)(C) Ports (Cont'd)

-per port/per circuit  
terminating location

	<u>USOC</u>	<u>Monthly Rates</u>		<u>Monthly Extension</u>
		<u>3 Year</u>	<u>5 Year</u>	
(18) GigE/FC/FICON <sup>TM/1/</sup> Sub-Rate System				
- unprotected channel	POY1W	875.00	700.00	1,140.00
- protected channel	POY1P	1,750.00	1,400.00	2,280.00
(19) GigE Riding Circuit*				
- unprotected channel	POY4W	500.00	400.00	650.00
- protected channel	POY4P	1,000.00	800.00	1,300.00
(20) Fibre Channel Riding Circuit*				
- unprotected channel	POY6W	500.00	400.00	650.00
- protected channel	POY6P	1,000.00	800.00	1,300.00
(21) FICON <sup>TM/1/</sup> Riding Circuit*				
- unprotected channel	POY7W	400.00	320.00	480.00
- protected channel	POY7P	800.00	640.00	960.00
(22) ESCON <sup>TM/1/</sup> Sub-Rate System				
- unprotected channel	POY2W	1,500.00	1,125.00	1,950.00
- protected channel	POY2P	3,000.00	2,250.00	3,900.00
(23) OC-3/OC-12 Sub-Rate System				
- unprotected channel	POY3W	1,000.00	750.00	1,300.00
- protected channel	POY3P	2,000.00	1,500.00	2,600.00
(24) OC-12 Riding Circuit**				
- unprotected channel	POY5W	500.00	375.00	700.00
- protected channel	POY5P	1,000.00	750.00	1,400.00

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(N)

(This page filed under Transmittal No. 65)

Issued: May 13, 2004

Effective: May 28, 2004

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## ACCESS SERVICE

22. Metropolitan Statistical Access Area Services (Cont'd)22.5 Rates and Charges (Cont'd)22.5.2 Special Access Services (Cont'd)22.5.2.8 Multi-service Optical Network (MON) Ring Service  
(Cont'd)(C) Ports (Cont'd)-per port/per circuit  
terminating location

	<u>USOC</u>	<u>Monthly Rates</u>		<u>Monthly</u>
		<u>3 Year</u>	<u>5 Year</u>	<u>Extension</u>
(12) Sub-Rate System				
- unprotected channel	POYSW	\$1,300.00	\$1,000.00	\$1,900.00
- protected channel	POYSP	2,600.00	2,000.00	3,700.00
(13) ESCON <sup>TM/1/*</sup>				
- unprotected channel	POYHW	100.00	100.00	150.00
- protected channel	POYHP	100.00	100.00	150.00
(14) Fast Ethernet*				
- unprotected channel	POYCW	325.00	250.00	500.00
- protected channel	POYCP	500.00	400.00	800.00
(15) D1 Video*				
- unprotected channel	POYVW	100.00	100.00	150.00
- protected channel	POYVP	100.00	100.00	150.00
(16) SONET OC-3/OC-3c**				
- unprotected channel	POYEW	100.00	100.00	150.00
- protected channel	POYEP	100.00	100.00	150.00

(C)

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22. Metropolitan Statistical Access Area Services (Cont'd)22.5 Rates and Charges (Cont'd)22.5.2 Special Access Services (Cont'd)22.5.2.8 Multi-service Optical Network (MON) Ring Service  
(Cont'd)(C) Ports (Cont'd)

-per port/per circuit  
terminating location

	<u>USOC</u>	<u>Monthly Rates</u>		<u>Monthly</u>
		<u>3 Year</u>	<u>5 Year</u>	<u>Extension</u>
(17) 10 Gigabit Ethernet (LAN-PHY)				
- unprotected channel	POYUW	15,375.00	12,815.00	21,525.00
- protected channel	POYUP	20,500.00	17,120.00	28,700.00
(18) GigE/FC/FICON <sup>TM/1/</sup> Sub-Rate System				
- unprotected channel	POY1W	875.00	700.00	1,140.00
- protected channel	POY1P	1,750.00	1,400.00	2,280.00
(19) GigE Riding Circuit*				
- unprotected channel	POY4W	500.00	400.00	650.00
- protected channel	POY4P	1,000.00	800.00	1,300.00
(20) Fibre Channel Riding Circuit*				
- unprotected channel	POY6W	500.00	400.00	650.00
- protected channel	POY6P	1,000.00	800.00	1,300.00
(21) FICON <sup>TM/1/</sup> Riding Circuit*				
- unprotected channel	POY7W	400.00	320.00	480.00
- protected channel	POY7P	800.00	640.00	960.00
(22) ESCON <sup>TM/1/</sup> Sub-Rate System				
- unprotected channel	POY2W	1,500.00	1,125.00	1,950.00
- protected channel	POY2P	3,000.00	2,250.00	3,900.00
(23) OC-3/OC-12 Sub-Rate System				
- unprotected channel	POY3W	1,000.00	750.00	1,300.00
- protected channel	POY3P	2,000.00	1,500.00	2,600.00
(24) OC-12 Riding Circuit**				
- unprotected channel	POY5W	500.00	375.00	700.00
- protected channel	POY5P	1,000.00	750.00	1,400.00

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