

TARIFF DISTRIBUTION

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PURPOSE: Obsolete term plans greater than 60 months for Administrative Management Service (AMS) and Integration Plus Management Service (IPMS)

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A29. DATA TRANSPORT SERVICE

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A29. DATA TRANSPORT SERVICE

A29.7 Administrative Management Service (AMS) (Cont'd)

A29.7.1 Description of Service (Cont'd)

B. Customer Access

Customers will have access to Administrative Management Service through a customer provided VT100 terminal with a choice of up to 2400 bits per second (bps) dial access or dedicated 9600 bps private line.

C. Maintenance and Operation

Due to the nature of Administrative Management Service, it may be necessary to perform preventive and routine maintenance on the system. At such times, the customer will be notified in advance as to the time and duration of these outages.

A29.7.2 Explanation of Terms

PRODUCT AND SERVICE INFORMATION

This function provides the following Central Office information: CLLI codes, switch type, V&H coordinates, network access lines, host information (if applicable), switch location, and equal access information.

TROUBLE ENTRY/STATUS

This function offers mechanized access for the customer to electronically report and receive information about trouble reports and to record and track trouble reports.

SERVICE ORDER ENTRY

The customer will have access to a mechanized interface for use when ordering service.

MISCELLANEOUS MESSAGING

This service provides the customer with a communication path to designated Company locations.

BILLING INFORMATION

The customer will have access to his records, whereby he may gain information about his last and current bill amount and any payments or adjustments posted to date. He will also have access to his Customer Service record, which provides detailed information about his services provided by the Company.

A29.7.3 Terms and Conditions

A. Basis of Offering

Administrative Management Service will be available where appropriate facilities are available.

Administrative Management Service will provide the customer the following capabilities:

- Product and Service Information
- Trouble Entry/Status
- Service Order Entry
- Miscellaneous Messaging

A29. DATA TRANSPORT SERVICE

A29.7 Administrative Management Service (AMS) (Cont'd)

A29.7.3 Terms and Conditions (Cont'd)

A. Basis of Offering (Cont'd)

- Billing Information

The Company shall not be responsible if changes in any of the equipment, operations, or procedures of the Company utilized in the provision of Administrative Management Service render any facilities provided by a customer obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance.

The Company will assist the customer in resolving any installation or day to day channel service problems. However, the Company does not assume responsibility for the compatibility or suitability of the customer's equipment.

Dispatches to customer premises caused by customer equipment troubles may result in a Trouble Location charge to the customer, as provided in A4.2.9.

B. Provision of Service

Customer access to Administrative Management Service may be either dial/shared or dedicated.

For dial/shared access, the customer will be required to provide a terminal, a modem, and dial tone at his premises. Provided the customer's premises resides in the Company LATA, the customer will dial a non-toll access number which furnishes access to AMS. If the customer's premises does not reside in the Company LATA, the customer must obtain an access line to a Company location from which the Company offers access to AMS. The AMS port will be assigned a seven-digit number to enable the customer to access this port. If a customer desires multiple telephone numbers to access AMS, an additional port charge will be required for each additional telephone number requested. Individual customer data will be kept secure via the AMS password security system.

Dedicated access will be provided at 9600 bps for a customer wanting continuous access to Administrative Management Service. The customer will be required to provide at his premises a terminal and a modem and to obtain a dedicated data circuit to a location designated by the Company at which the Company provides access to Administrative Management Service.

The customer will be responsible for installation, maintenance and testing of customer-provided terminal equipment.

C. Special Service Arrangement

Unique customer applications will be provided as specified in A5.4.1.

A29.7.4 Application of Rates

A. Service Establishment

For the initial establishment of each Administrative Management Service customer, a nonrecurring Service Establishment charge will apply. These charges do not apply for any subsequent Port Access additions.

B. Usage Charge

A recurring Usage charge is required based on the customer's estimate of the maximum number of transactions that will be performed per month. If this predetermined number of transactions is exceeded for any given month, then for that month an additional per transaction charge will apply to each transaction in excess of the estimated maximum.

C. User ID Charge

The User ID charge is a nonrecurring charge per customer.

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A29. DATA TRANSPORT SERVICE

A29.7 Administrative Management Service (AMS) (Cont'd)

A29.7.4 Application of Rates (Cont'd)

D. Port Access

Port Access, which is required for each access capability desired by the customer, includes a nonrecurring charge and a recurring rate.

A customer desiring shared ports may request dial access to AMS. For dial access the Company will provide a local (non-toll) access number. This will allow the individual customer data to be kept secure via the Administrative Management Service password security system.

Customers desiring a dedicated access port to Administrative Management Service will be required to provide at his premises a terminal and a modem and to obtain a 9600 bps private line to the location at which the Company provides access to Administrative Management Service. The charge for the private line is in addition to the charges for the dedicated access port.

E. Functions

Access to the required background OSS will be provided via the normal control network at each System.

- For each function described in A29.7.6.E.1.(a)-(e) a recurring rate applies.

F. Payment Schedules

1. Administrative Management Service is offered with the following payment periods:

Month to Month Payment Plan (One month option)

24 to 48 Month Term Payment Plan

49 to 72 Month Term Payment Plan¹

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2. Administrative Management Service customers may select variable payment periods under the Term Payment Plan.

3. The monthly rate for Administrative Management Service is dependent upon the payment period selected by the customer.

4. The monthly rate for Administrative Management Service under the Term Payment Plan for the periods of 24 to 48 or 49 to 72 months is not subject to Company initiated rate changes.

Note 1: Effective October 1, 2015, customers may not establish new term plans greater than 60 months, and existing term plans greater than 60 months may not be renewed or extended for a term greater than 60 months.

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A29. DATA TRANSPORT SERVICE

A29.7 Administrative Management Service (AMS) (Cont'd)

A29.7.4 Application of Rates (Cont'd)

G. Expiration of Payment Period

1. Administrative Management Service customers must upon the expiration of their payment period:
 - a. Select a new payment period as offered in the current *guidebook*¹, or (T)
 - b. Revert to the current *guidebook* rates for the one month payment option if the customer does not select a new payment period.¹ (T)
2. Administrative Management Service customer may at any time during his selected payment period subscribe for an equal or longer payment period at the current *guidebook* rates subject to the following conditions. (T)
 - a. No credit will be given for payments made during the formerly selected period. Nonrecurring charges and installation charges will not be reapplied.
 - b. The new payment period begins with the billing date following the date the new payment period is requested.
 - c. No termination charge applies for the former payment period.
 - d. A Service charges as specified in Section A4. will apply. (T)
 - e. Selection of the new payment period must be from those currently available at the time of re-subscription. (N)
3. Administrative Management Service customer may at any time during his selected payment period subscribe for a payment period, shorter in length than the time remaining in the existing service agreement, subject to the following conditions:
 - a. No credit will be given for payments made during the formerly selected period. Nonrecurring charges and installation charges will not be reapplied.
 - b. The new payment period begins with the date requested.
 - c. A termination charge will be applied which represents 50 percent of the difference between the remaining amount of the longer contract and the total amount of the shorter contract.
 - d. A Service Charges as specified in Section A4. will apply. (T)
 - e. Selection of the new payment period must be from those currently available at the time of re-subscription. (N)

H. Termination Liability

1. One Month Payment Plan - there is no termination liability for this option other than the initial service period as specified in F. preceding.
2. Term Payment Plan Option - 50 percent of the remaining amount due.

I. Allowance for Interruptions

1. When service is interrupted due to a failure or malfunction of the Administrative Management Service, a pro rata adjustment of the appropriate Administrative Management Service monthly charges will be allowed at the request of the subscriber if the total system is unavailable for more than a twenty four hour period and in accordance with the regulations specified in Section A2. (T)

Note 1: A Service Charge as specified in Section A4. will apply. (T)

A29. DATA TRANSPORT SERVICE

A29.7 Administrative Management Service (AMS) (Cont'd)

A29.7.4 Application of Rates (Cont'd)

- I. Allowance for Interruptions (Cont'd)
 - 2. No allowances will be granted for interruptions required to perform preventive or routine maintenance, or to perform software updates when the customer is notified at least 24 hours prior to such occurrences.

A29.7.5 Connections

- A. Security
 - 1. Extra security layers are provided which allow individual clients to customize access capabilities for each of their users. Both client information files and the Company computer systems are kept secure from intrusion.
 - 2. Administrative Management Service security uses the concept of a "usertype", which is simply a variable referring to a subset of the service that can be accessed by a given customer. Every user of the system must be assigned a usertype by the "admin" user during the process of adding the user to the system.

B. System Recovery

Uninterrupted power supplies are provided to prevent unexpected system shutdowns due to commercial power failure. All processes will be smoothly terminated and all buffers written to disk before a shutdown is performed. Message queues, which have been built, will be saved to disk files so that any established host session can be reestablished as soon as the system is brought back up following power outages.

A29.7.6 Rates and Charges

- A. Service Charges - (Premises visit not required) in Section A4. will apply. (T)
- B. Basic Service includes service establishment, multilevel security, and network administration aids.
- C. Administrative Management Service - Basic Service
 - 1. Service Establishment

	Installation Charge	Month To Month	24 to 48 Months	49 to 72¹ Months	
(a) Initial Setup	\$680.00	\$-	\$-	\$-	USOC SESBC
2. Usage, per Month					
(a) Up to 50 transactions	-	4.55	4.05	3.50	USD1X
(b) Up to 250 transactions	-	19.50	17.25	15.00	USD2X
(c) Up to 500 transactions	-	36.40	32.20	28.00	USD3X
				Charge	USOC
(d) Excess over allocated monthly usage, per transaction				\$.10	USDPX
3. User ID's, per Customer					
(a) First 15			18.00		U1G1X
(b) Each Additional set of 5			18.00		U1GAX

Note 1: Effective October 1, 2015, customers may not establish new term plans greater than 60 months, and existing term plans greater than 60 months may not be renewed or extended for a term greater than 60 months. (N)

A29. DATA TRANSPORT SERVICE

A29.7 Administrative Management Service (AMS) (Cont'd)

A29.7.6 Rates and Charges (Cont'd)

D. Port Access

1. Per Access Capability

	Installation Charge	Month To Month	24 to 48 Months	49 to 72¹ Months	USOC	
(a) Dial/Shared Access	\$225.00	\$100.00	\$88.00	\$76.00	MDQ	(M)
(b) Dedicated Access	240.00	161.00	143.00	124.00	MD6	(C)

E. Functions

1. Per Subscribed System

(a) Product and Service Information	-	84.50	74.75	65.00	MB5PM
(b) Trouble Entry/Status	-	65.00	57.50	50.00	MB5TX
(c) Service Order Entry	-	37.70	33.35	29.00	MB5SX
(d) Miscellaneous Messaging	-	15.60	13.80	12.00	MB5MX
(e) Billing Information	-	52.00	46.00	40.00	MB5BX

Note 1: Effective October 1, 2015, customers may not establish new term plans greater than 60 months, and existing term plans greater than 60 months may not be renewed or extended for a term greater than 60 months. (N)

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description

A32.1.1 General

A. Description

Integration Plus management services is a family of services that gives the customer the capability to integrate, monitor and manage network services provided by the Company via a terminal or workstation located on the customer's premises.

B. Specifications

Integration Plus management services will be available where facilities and technology permit.

C. Service Descriptions

INTEGRATION PLUS MANAGEMENT SERVICES TERMINAL INTERFACE (IPMSTI)

Integration Plus Management Services Terminal Interface provides the customer various means of access to FlexServ service. The means include either dial, dedicated or web access and several categories within these methods.

FLEXSERV SERVICE

FlexServ service enables the customer to monitor and reconfigure his private line and DS1 level services without direct interaction with Company personnel.

NETWORK USAGE INFORMATION SERVICE

Network Usage Information Service is a service that collects customer-specific data and presents the information to the customer's premises. Network Usage Information Service functions include Station Message Detail - Premises and Traffic Reports.

Network Usage Information Service will act as the collector, integrator, and interface for circuit-switch usage data involving central offices in the Company's network. The data will be generated by customers using the Public Switched Network provided by the Company.

D. Payment Schedules

1. General

a. Integration Plus management services offer the following payment periods:

- Month-to-Month Payment Plan (One month option)
- 24 to 48 Month Term Payment Plan
- 49 to 72 Month Term Payment Plan¹
- 73 to 96 Month Term Payment Plan¹

(C)

(C)

b. IPMS customers may select variable payment periods under the Term Payment Plan.

c. The monthly rate for IPMS is dependent upon the payment period selected by the customer.

d. The monthly rates for IPMS under the Term Payment Plan for the periods of 24 to 48, 49 to 72 and 73 to 96 months are not subject to the Company initiated rate changes.

2. Expiration of Payment Period

a. IPMS customers must upon the expiration of their payment period:

- (1) Select a new payment period as offered in the current *guidebook*, or²
- (2) If the customer does not select a new payment period or does not request discontinuance of service, service will be continued under the terms specified in A2.4.

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Note 1: Effective October 1, 2015, customers may not establish new term plans greater than 60 months, and existing term plans greater than 60 months may not be renewed or extended for a term greater than 60 months.

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Note 2: Service Charges as specified in Section A4. will apply.

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.1 General (Cont'd)

D. Payment Schedules (Cont'd)

2. Expiration of Payment Period (Cont'd)

- b. An IPMS customer may at any time during the selected payment period re-subscribe for an equal or longer payment period at the current *guidebook* rates subject to the following conditions: (T)
 - (1) No credit will be given for payments made during the formerly selected period. Nonrecurring charges and installation charges will not be reapplied.
 - (2) The new payment period begins with the billing date following the date the new payment period is requested.
 - (3) No termination charge applies for the former payment period.
 - (4) A Service Charge as specified in Section A4. will apply. (T)
 - (5) Selection of the new payment period must be from those currently available at the time of re-subscription. (N)
- c. An IPMS customer may at any time during his selected payment period re-subscribe for a payment period, shorter in length than the time remaining in the existing service agreement, subject to the following conditions:
 - (1) No credit will be given for payments made during the formerly selected period. Nonrecurring charges and installation charges will not be reapplied.
 - (2) The new payment period begins with the date requested.
 - (3) A termination charge will be applied which represents fifty percent (50%) of the following: the remaining amount of the longer contract less the total amount of the shorter contract. (Difference is the remaining amount of the original contract and the total amount to be paid with the shorter contract.)
 - (4) A Service Charge as specified in Section A4. will apply. (T)
 - (5) Selection of the new payment period must be from those currently available at the time of re-subscription. (N)

3. Termination Liability

- a. The Termination Liability for IPMS is dependent upon the payment period selected by the customer.
 - (1) One Month Payment Plan - There is no termination liability for this option other than the initial service period as specified in 1. preceding.
 - (2) Term Payment Plan Option - fifty percent (50%) of the remaining amount due.
- b. Termination Liability Charges will not apply for customer requests for moves of service, which are under a contract plan from one location to another within the same state. All appropriate nonrecurring charges for establishing service at the new location will apply. No lapse in billing will occur for moves of such service under a contract plan and the minimum service period obligation shall remain the same.
- c. Dial Access customers under a Term Payment Plan may move to Web Access, without Termination Liability, if the new Web Access service is under an equivalent or longer Term Payment Plan. The Web Access nonrecurring charge will apply for such a move.

4. Allowance for Interruptions

- a. When service is interrupted due to a failure or malfunction of IPMS, a pro rata adjustment of the appropriate IPMS monthly charges will be allowed at the request of the subscriber if the total system is unavailable for more than a twenty-four hour period and in accordance with the regulations specified in Section A2. (T)
- b. No allowances will be granted for interruptions required to perform preventive or routine maintenance, or to perform software updates when the customer is notified at least twenty-four hours prior to such occurrences.

5. Suspension of service is not allowed.

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.2 Integration Plus Management Services Terminal Interface

A. *Terms and Conditions*

1. General

The Integration Plus Management Services Terminal Interface chosen is utilized with either a switched service, a private line service or a web access service as a means of accessing CNM - FlexServ service. (IPMSTI may only be used with CNM - FlexServ service). If the customer is located outside a local calling area, he must obtain any required switched service from BellSouth Telecommunications, Inc. or from another provider. If the customer desires to access an IPMS function via private line, he must purchase a private line from the appropriate *guidebook* or from another service provider if his company location is outside a LATA served by the Company. If the customer desires to access an IPMS function via the web, the customer may utilize a personal computer that has a standard web browser. Switched services and private line service used as a means of accessing FlexServ service has been obsoleted (see Note 1 below).

2. Availability of Access

Access to IPMS is furnished only in serving wire centers where facilities are available.

3. Requirements for Access

a. Dial Access (Note 1)

The customer must provide a switched (dial) access capability with asynchronous protocol from the customer's terminal location to the designated Company location. Customers, who subscribe to a dial method of access, will be given a telephone number to dial, which will establish a port connection.

b. Security Card (Note 1)

Dial and web access customers must also order a Security Card. This card provides the customer a unique password identification code, which will electronically change periodically. The Security Card charge specified in 4. following will apply for the initial card or for the issuance of additional cards for additional users or to replace a lost, damaged or expired card.

If the customer has purchased a Security Card in conjunction with another feature or service offered by the Company, that Security Card may also be used in conjunction with CNM - FlexServ service. It is the customer's responsibility to notify the Company of an existing Security Card so the Company can ensure that the card is validated for multiple features and/or services.

c. Web Access

The customer must provide a personal computer (pc) that has a standard web browser. The customer will be provided a web address to establish a port connection to CNM - FlexServ service.

d. Dedicated Access (Note 1)

The customer must purchase a private line from the appropriate *guidebook* for access to CNM - FlexServ service from the customer's terminal location to the designated Company location. The type of dedicated access required will depend on the type of access desired.

e. Other Requirements (Note 1)

In addition to either purchasing a dial access or a private line, the customer will be required to furnish a VT100 type terminal and a compatible data set. The data set required will depend on the type of access chosen by the customer and the capability for connection with the Company. CPE must comply with specifications found in BellSouth Technical Reference Publication 73535 for Corporate Packet Network Asynchronous Terminal Access (8/89) and BellSouth Technical Reference Publication 73516 Issue C, Corporate Packet Network Physical Interface Specifications (9/91). These publications are available from Regional Documentation Operations, BellSouth Telecommunications, Inc., 600 North 19th Street, 20th Floor, Birmingham, AL 35203.

Note 1: (Obsoleted 6-23-08, Type D; not available for new installations, moves or transfers. Existing customers may continue to utilize existing Dial or Dedicated Access arrangements.)

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.2 Integration Plus Management Services Terminal Interface (Cont'd)

A. Terms and Conditions (Cont'd)

4. Rates and Charges

a. Dial Interface for CNM - FlexServ Service¹

(1) For Dial Access¹

	Installation Charge	Month to Month	24 to 48 Months	49 to 72³ Months	73 to 96³ Months	USOC
(a) 1.2 Kbps thru 19.2 Kbps Access Port	\$75.00	\$60.00	\$57.00	\$54.00	\$51.00	APF19

(2) Security Card^{1,2}

				Nonrecurring Charge		USOC
(a) Each				\$100.00		SECFS

b. Dedicated Interface for CNM - FlexServ Service¹

(1) Analog 4 wire¹

	Installation Charge	Month to Month	24 to 48 Months	49 to 72³ Months	73 to 96³ Months	USOC
(a) 1.2 Kbps Access Port	\$175.00	\$39.00	\$37.00	\$35.00	\$33.00	APF1A
(b) 9.6 Kbps Access Port	175.00	72.50	68.75	65.00	61.50	APF9A
(2) Digital 4 wire ¹						
(a) 2.4 Kbps Access Port	175.00	56.00	53.00	50.00	47.00	APF2D
(b) 4.8 Kbps Access Port	175.00	61.00	58.00	55.00	52.00	APF4D
(c) 9.6 Kbps Access Port	175.00	66.00	63.00	60.00	57.00	APF9D

c. Web Interface for CNM - FlexServ Service

(1) Web Access

	Installation Charge	Month to Month	24 to 48 Months	49 to 72³ Months	73 to 96³ Months	USOC
(a) Per Arrangement	\$125.00	\$25.00	\$18.75	\$15.00	\$12.50	DSLWE

Note 1: (Obsoleted 6-23-08, Type D; not available for new installations, moves or transfers. Existing customers may continue to utilize existing Dial or Dedicated Access arrangements.)

Note 2: The Security Card nonrecurring charge is also applicable for Web Access.

Note 3: Effective October 1, 2015, customers may not establish new term plans greater than 60 months, and existing term plans greater than 60 months may not be renewed or extended for a term greater than 60 months.

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.3 Customer Network Management (CNM) - FlexServ Service

A. *Terms and Conditions*

1. Basic CNM - FlexServ Service

The basic service includes monitoring and reconfiguration of the customer's private line and local exchange services equipped with CNM - FlexServ service.

Monitoring consists of unsolicited signals of major and minor facility alarms. These alarms include carrier group alarms, out of service alarms, bit error rate, bipolar violations, slip errors, errored seconds, out-of-frame alarms and invalid connections. Invalid connections are connections between special access services with incompatible signals or between services without CNM - FlexServ service. Customer requests for such connections will be denied. The Company shall not be responsible for service interruptions, troubles, loss of customer data, or any other losses resulting from attempted invalid connections.

Reconfiguration provides the customer with the ability to direct the Company to connect or disconnect circuits equipped with CNM - FlexServ service options to or from others of like kind at a central office or central offices where the customer has purchased CNM - FlexServ service. Such connections and disconnections may be performed immediately or at a future time prescribed by the customer and are performed without direct interaction by Company personnel.

The customer is responsible for providing the terminal equipment required for access to CNM - FlexServ service.

The customer may transmit reconfiguration directions to or receive monitoring information from the Company over a switched (dial) service, a private line service or a web access service. There are several types of access to the service listed in A32.1.2 from which the customer may choose. Each CNM - FlexServ service customer must purchase at least one type of access.

With the customer's initial order for basic CNM - FlexServ service, the Company provides the capability for one connection to the Company for the communication of monitoring and reconfiguration signals. This capability is referred to in this *Guidebook* as access to CNM - FlexServ service or "User Access". One customer identification code with password security is included with such access.

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.3 Customer Network Management (CNM) - FlexServ Service (Cont'd)

A. Terms and Conditions (Cont'd) (T)

1. Basic CNM - FlexServ Service (Cont'd)

With the customer's initial order, the Company provides one customer training class for up to five (5) persons. The class length of this initial training is two consecutive eight hour days. These training classes are conducted at a designated Company location. Transportation, lodging and food for the attendees will be the responsibility of the customer. If the customer desires for the initial training to be conducted on his premises, then the customer is responsible for the transportation, lodging, and food for the trainer. In addition, the customer is responsible for having the appropriate equipment on his premises.

Reconfiguration and monitoring are not available during the performance of routine maintenance of the Company's facilities and equipment used to provide CNM - FlexServ service.

Different switching options may be available in the same central office. If customers desire more than one switching option in the same central office and facilities are available, a channel connection is required for each FlexServ service switching option connected.

The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections.

2. Customer Circuits

There are five (5) types of channel connections which can be connected to CNM - FlexServ service - DSO (Single channel), DS1 (1.544 Mbps) digital circuits, DS3 (44.736 Mbps) digital circuits, SMARTRing service and STS-1 (51.84Mbps) digital circuits.

DSO Channel Connections - There are two types of DSO channel connections - Voice Grade and Digital. Both types of DSO connections will be switched at a DSO level.

DS1 Channel Connections - There are two types of connections available for a customer desiring to terminate a DS1 circuit - DSO switching and DS1 switching. For example, if a customer needs to be able to monitor or reconfigure the 24 DSO circuits riding on the DS1 channel, then the customer would purchase a DS1 channel connection with DSO switching. If the customer does not need access to the individual DSO circuits, then the customer would purchase a DS1 channel connection with DS1 switching.

DS3 Channel Connections - There are two types of connections available for terminating a DS3 circuit - DSO switching and DS1 switching. If a customer needs monitoring or reconfiguration capability for 672 individual DSO circuits, then the customer would purchase a DS3 channel connection with DSO switching. If the customer only needs access to the 28 DS1 circuits, then the customer would purchase a DS3 channel connection with DS1 switching.

SMARTRing service Channel Connections - CNM - FlexServ service is available only with OC-3, OC-12, OC-48, OC-48+, OC-192 or OC-192+ SMARTRing service. There are two options available for SMARTRing service channel connections - Surveillance and Reconfiguration. Surveillance allows the customer to monitor the ring and retrieve performance monitoring data. Surveillance will be ordered on a per SMARTRing node basis. Customers who order Surveillance must order it for all nodes on the ring. Reconfiguration will allow the customer to reconfigure circuits associated with SMARTRing service channel interfaces and must be ordered on a per interface basis. Customers who order Reconfiguration must already be subscribing to Surveillance or be ordering Surveillance coincident with Reconfiguration. Reconfiguration may not be ordered without Surveillance. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). A Service Establishment Charge for new customer account setup applies as well as a charge for a Security Card, which is required for web access of the Management Terminal Interface.

CNM - FlexServ service is available on the following SMARTRing service Overlay Ring Arrangements: (S=Surveillance and R=Reconfiguration)

OVERLAYING SMARTRing Service	HOST SMARTRing Service									
	OC-12		OC-48		OC-48+		OC-192		OC-192+	
	S	R	S	R	S	R	S	R	S	R
OC-3	X	X	X	X	X	X	X	X	X	X
OC-12			X	X	X	X	X	X	X	X
OC-48							X	X	X	X

On an Overlay Ring arrangement, Surveillance must be ordered for each node on both the host ring and the overlay ring.

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.3 Customer Network Management (CNM) - FlexServ Service (Cont'd)

A. *Terms and Conditions* (Cont'd)

3. Maintenance

Due to the nature of CNM - FlexServ service it may be necessary to perform preventive maintenance on the system. This will mean that the CNM - FlexServ service controller will be unavailable for circuit reconfiguration during these periods of time when maintenance is being performed. Any circuits which are working will continue in operation, only the reconfiguration capability will not be usable. It may also be necessary to periodically take the CNM - FlexServ service system out of service for software updates and other maintenance. In these cases the customers will be notified in advance as to the time and duration of these outages.

4. Service Availability

CNM - FlexServ service is furnished only in serving wire centers where facilities are available.

5. Local and Interoffice Channels

The Local and Interoffice Channels which are terminated into CNM - FlexServ service are provided out and the Private Line *Guidebook*, Section B3., and are subject to all regulations and charges contained in their respective *guidebooks* in addition to those contained herein.

6. Local Exchange Services

Local exchange services connecting to CNM - FlexServ service utilizing a voice grade DS0 channel connection are available with Network Access service located in Section A3. .

Calls routed to Public Service Answering Positions for 911 emergency calls over services terminated in CNM - FlexServ service will result in incorrect address information being generated in an emergency situation. When local exchange type services terminate in CNM - FlexServ service, the customer has reconfiguration capability. Therefore the address on the customer record is the central office where the dial tone originates and terminates into CNM - FlexServ service. The Company will not be liable for any actions which occur as a result of emergency vehicles being dispatched to an incorrect address.

Customers are prohibited from using CNM - FlexServ service to cross-connect any services in any manner that would result in the misapplication of charges for any services provided by the Company. The Company may audit the use of service to assure compliance with this restriction. When the Company's audits reveal violations of this restriction, the Company will issue a written notice of violation to the customer. Continued violation after such notice will be grounds for termination of the CNM - FlexServ service thirty days after a second notice of violation. In such event, the customer will be responsible for payment of all nonrecurring charges associated with any required service rearrangements and for any termination charges resulting from such rearrangement. In addition, the customers will be responsible for payment of the charges avoided by such misuse of CNM - FlexServ service. If such charges cannot be precisely determined from the Company's records, they may be estimated based upon audit data for any period of time greater than seven days, average usage levels for the service by the customer or other customers, and the highest potentially applicable rates.

7. Security

CNM - FlexServ service employs a multilevel system to ensure the privacy of customer networks. To access the network controller, a customer must enter a log-in ID and password. Additional security is offered with access to the network controller via a private line.

8. Shared CNM - FlexServ Service Arrangement

The customer may include circuits with CNM - FlexServ service purchased from this *Guidebook* in the same CNM - FlexServ service arrangement with interexchange carriers who have purchased CNM - FlexServ service for use in connection with special access services used to provide interLATA service to the customer. (A CNM - FlexServ service arrangement consists of all special access services and private line services that can be monitored and reconfigured through the same User Access.)

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.3 Customer Network Management (CNM) - FlexServ Service (Cont'd)

A. *Terms and Conditions* (Cont'd)

(T)

8. Shared CNM - FlexServ Service Arrangement (Cont'd)

The customer must be authorized to represent the interexchange carrier(s) in all transactions and communications with the Company regarding the shared CNM - FlexServ service arrangement or circuits included in that arrangement including reconfigurations, monitoring, ordering of additional special access services and private line services in the arrangement and removal of special access services and private line services from the arrangement. The Company will not process any orders or requests affecting that arrangement or circuits included in that arrangement except those submitted to the Company by the customer.

The Company will not be liable for any loss to any of the interexchange carriers in a shared CNM - FlexServ service arrangement caused directly or indirectly by actions of the customer. Each interexchange carrier in the shared arrangement and the customer indemnify the Company for the costs of any and all claims arising directly or indirectly out of the actions of the customer or any interexchange carrier in the shared arrangement, including, but not limited to, the cost of defending against such claims.

Any interexchange carrier in a shared CNM - FlexServ service arrangement must give the Company 30 days prior written notice of his intent to revoke the customer's authority or to remove his special access services from a shared arrangement. Such notice shall not be effective unless it provides the Company with specific and sufficient directions regarding treatment of the interexchange carrier's special access services upon revocation of the customer's authority or removal from the shared arrangement.

B. Definitions

CHANNEL

A channel is a dedicated or switched service purchased from the appropriate *Guidebook* and terminated on the CNM - FlexServ service reconfiguration equipment. It is the communications path that the CNM - FlexServ service reconfiguration equipment cross connects to another communications path.

(T)

DS0

"DS0" refers to a North American hierarchy of Digital Signal levels. It means Digital Signal level 0 which is a 64 Kbps signal. The required D4 format is found in BellSouth Technical Reference 73501. A copy may be obtained by writing BellSouth Telecommunications, Inc. Documentation Operations, 3535 Colonnade Parkway, North Building, Birmingham, Alabama 35243.

DS1

"DS1" refers to a North American hierarchy of Digital Signal levels. It means Digital Signal level 1 which is a 1.544 Mbps signal. The required D4 format is found in BellSouth Technical Reference 73501. A copy may be obtained by writing BellSouth Telecommunications, Inc. Documentation Operations, 3535 Colonnade Parkway, North Building, Birmingham, Alabama 35243.

DS3

The term DS3 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 44.736 Mbps transmission data rate, and provides for two-way simultaneous transmission of randomized Non-Return-to-Zero (NRZ) signals with a B3ZS format. The required format and interface specifications are contained in BellSouth Technical Reference #73501.

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.3 Customer Network Management (CNM) - FlexServ Service (Cont'd)

D. Rate Element Description (Cont'd)

1. Application of Rates (Cont'd)

b. Options (Cont'd)

(4) Multipoint Bridging

Multipoint Bridging (DMB)

There will be a nonrecurring charge and a monthly rate for each DS0 or equivalent that is equipped with this capability.

Multipoint Junction Unit

A nonrecurring charge and a monthly rate applies for each DS0 or equivalent that is equipped with this capability. This option must be purchased in groups of 5 because a unit has the capacity of 5 DS0 or equivalent channel connections.

(5) Subrate Reconfiguration

There will be a nonrecurring charge for each DS0 equipped DS0B and a nonrecurring charge and a monthly rate will apply for each set of DS0As. The DS0A rates apply in sets of five for 9.6 Kbps, in sets of ten for 4.8 Kbps, and in sets of twenty for 2.4 Kbps.

(6) Reconfigurations

A nonrecurring charge is applicable on each occasion, when the customer requests the Company personnel to perform a reconfiguration or a series of reconfigurations in order to set up point-to-point or multipoint connections, to provide a status report or to establish a conference.

2. Rates and Charges

a. Service Charge (T)

(1) Service Charges found in A4.3 will apply. (T)

b. Basic CNM - FlexServ Service

(1) DS0 Channel Connections

	Installation Charge	Month to Month	24 to 48 Months	49 to 72¹ Months	73 to 96¹ Months	USOC	
(a) Voice grade type, per DS0 channel	\$35.00	\$14.90	\$13.70	\$12.70	\$11.90	DSLVA	(C)
(b) Digital type, per DS0 channel	35.00	7.60	7.00	6.45	6.00	DSLVA	
(2) DS1 Channel Connections							
(a) DS0 switching, Per DS1 channel	125.00	110.00	100.00	92.00	85.00	DSL1A	
(b) DS1 switching, Per DS1 channel	125.00	64.00	60.00	55.00	51.00	DSL1B	
(3) DS3 Channel Connections							
(a) DS0 switching, Per DS3 channel	125.00	1,425.00	1,310.00	1,210.00	1,170.00	DSL3A	
(b) DS1 switching, Per DS3 channel	125.00	375.00	345.00	320.00	300.00	DSL3B	(M)

Note 1: Effective October 1, 2015, customers may not establish new term plans greater than 60 months, and existing term plans greater than 60 months may not be renewed or extended for a term greater than 60 months. (N)

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.3 Customer Network Management (CNM) - FlexServ Service (Cont'd)

D. Rate Element Description (Cont'd)

2. Rates and Charges (Cont'd)

b. Basic CNM - FlexServ Service (Cont'd)

	Installation Charge	Month to Month	24 to 48 Months	49 to 72¹ Months	73 to 96¹ Months	USOC	
(4) SMARTRing service Channel Connections							(C)
(a) Surveillance, Per Node, OC-3, OC-12	-	\$40.00	\$36.80	\$34.00	\$32.00	SHNSN	(M)
(b) Surveillance, Per Node, OC-48, OC-48+	-	80.00	75.00	70.00	65.00	SHNS4	
(c) Surveillance, Per Node, OC- 192, OC-192+	-	120.00	110.00	100.00	95.00	SHNS9	
(d) Reconfiguration, Per Customer or Central Office Channel Interface, DS1, DW3, OC-3 and OC-12	\$15.00	5.00	4.50	4.00	3.50	SHNRC	
(e) Reconfiguration, Per Customer or Central Office Channel Interface, OC-48	15.00	5.00	4.50	4.00	3.50	SHNRC	
(f) Reconfiguration, Per Customer or Central Office Channel Interface, 10 Mbps, 100 Mbps, 1000 Mbps and Fractional 1000 Mbps	15.00	5.00	4.50	4.00	3.50	SHNRO	
(g) Service Establishment Charge, Per New Customer Account Setup	250.00	-	-	-	-	SHNTD	
(h) Security Card, per card	200.00	-	-	-	-	SHNTC	
(5) STS Channel Connections							
(a) VT1.5 switching, Per STS-1 channel	250.00	375.00	345.00	320.00	300.00	DSL5X	
c. CNM - FlexServ Service Options							
(1) Additional Concurrent User Access							
(a) Per Additional Concurrent User Access	125.00	68.00	60.00	57.00	54.00	FSSFU	

Note 1: Effective October 1, 2015, customers may not establish new term plans greater than 60 months, and existing term plans greater than 60 months may not be renewed or extended for a term greater than 60 months. (N)

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

A32.1.3 Customer Network Management (CNM) - FlexServ Service (Cont'd)

D. Rate Element Description (Cont'd)

2. Rates and Charges (Cont'd)

c. CNM - FlexServ Service Options (Cont'd)

(2) Additional User Identification Codes

	Nonrecurring Charge	USOC
(a) Per Additional User Identification Code	\$3.00	FSSFA
(3) Additional Customer Training		
(a) Per eight hour day of training after initial installation	450.00	FSSFT
(4) Multipoint Bridging		

	Installation Charge	Month to Month	24 to 48 Months	49 to 72² Months	73 to 96² Months	USOC	
(a) Voice Grade Connections Per bridging leg	\$20.00	\$5.00	\$4.50	\$4.35	\$4.10	FSSFM	(C)
(b) Multipoint Junction Unit Per 2.4, 4.8, 9.6 or 56 Kbps channel connection ¹	15.00	6.00	5.25	5.00	4.75	FSSFJ	
(c) Multipoint Junction Unit Per 19.2 Kbps channel connection ¹	15.00	11.75	11.10	10.50	9.95	FSSF9	
(5) Subrate Reconfiguration Capability							
(a) Per DS0 Equipped (DS0B)	45.00	-	-	-	-	DSL5B	
(b) Per DS0A 9.6 Kbps, requires 5	5.00	8.75	8.15	7.60	7.20	DSL59	
(c) Per DS0A 4.8 Kbps, requires 10	5.00	7.40	6.80	6.30	5.95	DSL54	
(d) Per DS0A 2.4 Kbps, requires 20	5.00	7.00	6.45	5.95	5.60	DSL52	
(6) Reconfiguration by Company Personnel, Request for Company to perform reconfiguration activity							

	Nonrecurring Charge	USOC
(a) Per Request	\$25.00	FSSRA

Note 1: One unit contains five connections so must purchase in groups of five.

Note 2: Effective October 1, 2015, customers may not establish new term plans greater than 60 months, and existing term plans greater than 60 months may not be renewed or extended for a term greater than 60 months.

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

(T)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd)

(T)

A32.1.4 Network Usage Information Service

A. Terms and Conditions

(T)

1. The rates in C. following are in addition to all other applicable rates required to provide these services. (M)
2. Service Charges found in Section A4. are applicable in addition to other rates and charges identified for this service. (T)(M)
3. Network Usage Information Service will be available where facilities and technology permit.
4. Where applicable, the customer is responsible for providing compatible premises equipment and software.
5. Charges are applicable for all Traffic Reports requested by and provided to the customer. A Traffic Report is done on a per measurement ID (i.e. Trunk Groups, Simulated Facility Groups, Single Line Usage as typical). A Service Establishment Charge and Port Connection Charge are not applicable. When a Traffic Report is requested by the customer, a study time will be determined based on availability of equipment utilized for this offering. The offering is provided on a per-report basis and will consist of a one-week analysis of the customer's central office based facilities.
6. Suspension of service is not allowed.
7. During collection or distribution of the customer's SMDR or Traffic Data, if data is destroyed, the Company shall not be liable.
8. The service SMD-P is not designed to be used as a billing system.

B. Definitions

OUT DIAL/SHARED PORT CONNECTION

Out Dial/Shared Connection enables the processor to dial the customer via a shared port and down load the data to a software/hardware platform on the customer's premises.

DEDICATED PORT CONNECTION

Dedicated Port Connection is a dedicated port on the Network Usage Information Service processor that provides service to the customer's premises on a dedicated Private Line.

STATION MESSAGE DETAIL - PREMISES

Station Message Detail - Premises refers to the function that provides ESSX service, Digital ESSX service, MultiServ service, MultiServ PLUS service, and BellSouth Centrex service call record detail data to the customer's premises. (T)

TRAFFIC REPORTS

Traffic Reports refers to the function that provides periodic reports of usage/peg count/overflow measurements for Network Access Registers (NARs), Trunk Groups, Multiline Hunt Groups, Subscriber Line Measurements, Customer Facilities Groups and Attendant Consoles. These reports vary based on central office types and equipment availability.

(M1)

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS) (T)

A32.1 Integration Plus Management Services (IPMS) Description (Cont'd) (T)

A32.1.4 Network Usage Information Service (Cont'd)

C. Rates and Charges

1. Service Establishment (M)

		Installation Charge	Month to Month	24 to 48 Months	49 to 72 ¹ Months	73 to 96 ¹ Months	USOC
(a) Per Customer Database		\$250.00	\$-	\$-	\$-	\$-	NU1AA
2. Port Connection, Per Connection Capability							
(a) Out Dial/Shared Connection		200.00	88.00	80.00	75.00	70.00	NU1AB
(b) Dedicated Connection ²		500.00	163.00	148.00	139.00	130.00	NU1AC
3. Station Message Detail – Premises ³							
(a) Per System		250.00	-	-	-	-	NU1AG
(b) Per Two (2) Messages ⁴					Charge \$01		USOC NU1AE
4. Traffic Reports							
(a) Per Measurement ID, Per Report					20.00		NU1AF

- Note 1:** Effective October 1, 2015, customers may not establish new term plans greater than 60 months, and existing term plans greater than 60 months may not be renewed or extended for a term greater than 60 months. (N)
- Note 2:** The dedicated port connection is accessed via a private line. The customer may purchase an asynchronous analog private line from Section B3. of the Private Line *Guidebook* or a digital private line from Section B7. of the Private Line *Guidebook*. (T)
- Note 3:** The customer must subscribe to SMDR from A12. or A112. (T)
- Note 4:** If the total number of messages equate to an uneven number, it will be rounded downward. (T)