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A25. HORIZON[®] COMMUNICATIONS SYSTEM

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A25. HORIZON[®] COMMUNICATIONS SYSTEM

A25.1 Terms, Conditions and Rates

(T)

A25.1.1 Terms and Conditions

(T)

- A. The HORIZON[®] Communications System may have both PBX trunk and Business individual line exchange access terminated in the same system. Exchange Access may be provided by Central Office Facilities included in Pooled Facility Access Groups or incoming to the Central Answering Position; such facilities are to be designated Local Central Office Trunks. Exchange Access may also be provided by Central Office facilities terminated in HORIZON[®] System telephone stations and dedicated to use of a particular station or group of stations and should be designated as local Central Office individual lines. Charges for exchange access lines shall be as specified in other sections of this *Guidebook*.

(T)

A29. DATA TRANSPORT SERVICE

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A29. DATA TRANSPORT SERVICE

A29.1 Derived Data Channel Service

A29.1.1 General

- A. Derived Data Channel Service (DDCS) provides full-duplex asynchronous or synchronous data transmission utilizing data over voice and subrate multiplexing technology. A derived data channel is provided between a customer's premises and that customer's serving central office. A subrate multiplexed interface is provided in the serving central office for multiplexing multiple derived data channels into a single interface. A transport facility is provided for interconnection of the subrate multiplexed interface to a Company provided data service or to data services provided by others.
- B. The *terms, conditions* and rates specified herein are in addition to the applicable *terms, conditions* and rates specified in other sections of this *Guidebook*. (T)
- C. DDCS is offered for intraLATA use only.

A29.1.2 Terms and Conditions (T)

A. Explanation of Terms

1. Asynchronous Transmission - Transmission in which time intervals between transmitted characters may be of unequal length but time intervals between bits within a character are fixed. Transmission is controlled by start and stop elements (bits) at the beginning and end of each character.
2. Derived Data Channel - A data channel derived from a local exchange facility utilizing data/voice multiplexing (DVM) equipment. A derived data channel is provided between a customer's premises and that customer's serving central office.
3. DS0-B Interface - A central office subrate multiplexed interface that provides a 4-wire DS0 output signal conforming to the standard DDS (Digital Data System) signal formats (i.e., 2.4 Kbps, 4.8 Kbps, or 9.6 Kbps).
4. DS0-B Transport Facility - A local access facility and interoffice facility utilized to interconnect the DS0-B interface to a Company provided data service or to data services provided by others.
5. Subrate Multiplexing - The process for separating a 64 Kbps DS0 signal into individual channel groups of lower transmission speeds (i.e., twenty channels at 2.4 Kbps, ten channels at 4.8 Kbps, five channels at 9.6 Kbps, or one channel at 56 Kbps).
6. Synchronous Transmission - Transmission of data based upon a timing mechanism in which data is transmitted at fixed intervals.

B. Basis of Offering

1. A derived data channel provides full-duplex asynchronous or synchronous data transmission at the speed of 2.4 Kbps over a compatible two-wire facility.
2. The central office DVM termination provides subrate multiplexing into a standard DS0-B interface for a group composed of a maximum of twenty derived data channels.
3. The customer's derived data channel must be associated with a DS0-B interface. This association requires coordination between the subscriber of the derived data channel and the subscriber of the DS0-B interface.
4. DDCS can be interconnected to compatible Company provided data services or to data services provided by others.

A29. DATA TRANSPORT SERVICE

A29.1 Derived Data Channel Service (Cont'd)

A29.1.2 Terms and Conditions (Cont'd)

B. Basis of Offering (Cont'd)

5. DDCS is provided under the following terms and conditions.
 - a. The customer will be responsible for selecting his own Customer Premises Equipment (CPE). Customer provided terminal equipment must be compatible with the Company provided terminating equipment at the central office. Network interface specifications are contained in Technical Reference Publication 73548 for DVM equipment and Technical Reference Publication 73548, Addendum 1, for access to a DS0-B interface. These publications are available from the Information Exchange Manager, BellSouth Telecommunications, Inc., Documentations Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. (T)
 - b. The customer will be responsible for installation, maintenance and testing of CPE.
 - c. The customer must be prepared to activate his portion of service in a timely manner as mutually agreed with the Company. If joint testing is required, each party must be prepared to test on the negotiated date.
 - d. The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.
 - e. The Company will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes in his equipment, and schedule cooperative testing for cutover if required.
 - f. Company dispatches to customer premises caused by CPE trouble will be handled in accordance with standard Company procedures. The Company does not assume responsibility for the compatibility or suitability of CPE.
6. DDCS is provided subject to the availability of appropriate network facilities and equipment.
7. The minimum service period for a derived data channel is twelve months. In the event service is discontinued at the customer's request within the minimum service period, a termination charge is applicable as of the date service is terminated. This charge is equal to fifty percent (50%) of the following: the number of months remaining in the service period times the monthly rate for a derived data channel. The minimum service period for the other DDCS *guidebook* elements is one month. (T)
8. Suspension of service is not allowed.

C. Application of Rates

1. The derived data channel charges provide the central office DVM terminating equipment. The customer must also subscribe to a compatible two-wire exchange line (e.g., business exchange line, Centrex Type Services main station line). This two-wire exchange line charge and its associated rates and charges are in addition to the derived data channel rates and charges.
2. The DS0-B interface charge is applicable for each group of a maximum of twenty multiplexed derived data channels. Each of the twenty channels in a DS0-B interface channel group operates at a bit rate of 2.4 Kbps.
3. The DS0-B transport facility is required with each subscription to a DS0-B interface. This facility is available for use with DDCS only.
4. Nonrecurring charges specified herein include the service and installation charges.

A29. DATA TRANSPORT SERVICE

A29.1 Derived Data Channel Service (Cont'd)

A29.1.2 Terms and Conditions (Cont'd)

(T)

C. Application of Rates (Cont'd)

5. Derived Data Channel Service is available on a month-to-month basis or under contract plan periods of twenty-four to forty-two months and forty-three to sixty months. The following conditions apply for the contract plans:
 - a. Rates under contract plans will not be increased by Company initiative until the contract period expires. Rates in effect at the time the service is installed and/or as of the service order application date will be applicable until the contract expires. At the expiration date of the customer's contract plan option, the customer may select a new contract option at the current rates. If the customer does not select a new contract option or does not request discontinuance of service, service will be continued under the terms specified in A2.4.
 - b. A termination charge is applicable at the date of termination if the customer disconnects the service prior to fulfilling the period of the contract plan. The applicable charge is dependent on the contract period subscribed to and will be equal to fifty percent (50%) of the following: the number of months remaining in the contract period times the monthly rate provided under contract.

A29.1.3 Rates and Charges

A. Derived Data Channel Service

1. Derived Data Channel

		Monthly Rate	24 to 42 Months	43 to 60 Months	Nonrecurring Charge	USOC
2.	DS0-B Interface	\$17.00	\$13.50	\$11.00	\$168.00	DAXPC
	(a) Per channel at 2.4 Kbps					
	(a) Per group of twenty channels at 2.4 Kbps each	70.00	65.00	62.00	95.00	DAXP1
3.	DS0-B Transport Facility					
	(a) Per group of twenty channels at 2.4 Kbps each	70.00	55.00	45.00	167.00	DAXP2

B. Move Charges

1. Moves

- a. A move involves a change in the physical location of one of the following:
 - (1) The point of interface at the customer premises.
 - (2) The customer's premises.
- b. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.
 - (1) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the nonrecurring charge for the affected service termination at the customer's premises.

A29. DATA TRANSPORT SERVICE

A29.1 Derived Data Channel Service (Cont'd)

A29.1.3 Rates and Charges (Cont'd)

B. Move Charges (Cont'd)

1. Moves (Cont'd)

b. (Cont'd)

(2) To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. However, DDCCS will be provided at the new location subject to the availability of appropriate network facilities/equipment and subject to meeting DDCCS technical specifications.

A29.2 Data Transport Access Channel Service

A29.2.1 General

- A. Data Transport Access Channel Service provides the data channel facilities between a customer's premises and a central office or between two central offices for access to Company provided central office data switched services or to other Composite Data Services, or for connection to other Company provided channel services. These services may also be utilized between two Composite Data Services.
- B. The *terms, conditions* and rates specified herein are in addition to the applicable *terms, conditions* and rates specified in other sections of this and other *guidebooks* of the Company. (T)
- C. Channel services provided under the provisions of this Section are offered for intraLATA use only and may not be used in connection with Switched Access Service offered under the Access Services Tariff. (T)

A29.2.2 Terms and Conditions (T)

A. Explanation of Terms

- 1. Analog - Transmission employing variable and continuous waveforms to represent information values, where interpretation by the receiver is an estimated approximation (quantization) of the encoded value.
- 2. Digital - Referring to communications procedures, techniques and equipment where information is encoded as either a binary "1" or "0"; the representation of information in discrete binary form, discontinuous in time, as opposed to the analog representation of information in variable, but continuous, waveforms.
- 3. Principal Central Office - Is the central office through which digital access channels are routed and where access is provided to such lines and associated equipment for testing purposes.
- 4. Terminating Central Office - The central office or wire center where a Data Transport Access Channel terminates in order to connect to a Company provided central office switched data service or data transport service, or to access another compatible Data Transport Access Channel or other compatible channel services offered in this and other *guidebooks* of the Company. (T)

B. Basis of Offering

- 1. Data Transport Access Channels are provided for analog voice-grade or digital data transmission and are intended to be utilized with Company central office data switched services, other Company provided channel services or with Composite Data Services provided by others.

A29. DATA TRANSPORT SERVICE

A29.2 Data Transport Access Channel Service (Cont'd)

A29.2.2 Terms and Conditions (Cont'd)

(T)

B. Basis of Offering (Cont'd)

2. The basic access channel charge includes the access facility only. Data Terminating Equipment (DTE) may be required at the customer's premises and/or terminating central office depending on the type of service associated with the channel.
3. (DELETED)
4. An optional data set termination is provided at the central office. Central office data sets will be provided under the following terms and conditions:
 - a. The Company will provide the customer with details of the type and manufacturer of central office data set equipment to be used in each application.

A29. DATA TRANSPORT SERVICE

A29.2 Data Transport Access Channel Service (Cont'd)

A29.2.2 Terms and Conditions (Cont'd)

(T)

B. Basis of Offering (Cont'd)

5. (Cont'd)

- b. The customer will be responsible for selecting his own Customer Premises Equipment (CPE). Customer provided terminal equipment must be compatible with the Company provided data set at the central office.
- c. The Company will limit its selection of central office equipment to avoid operational and administrative difficulties associated with a multi-vendor central office environment.
- d. The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.
- e. The Company will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes in his equipment and schedule cooperative testing for cutover if required.
- f. The customer will be responsible for installation, maintenance and testing of customer provided terminal equipment.
- g. The customer must be prepared to activate his portion of joint service in a timely manner as mutually agreed with the Company. If joint testing is required, each party must be prepared to test on the negotiated date.
- h. Company dispatches to customer premises caused by CPE troubles will be handled in accordance with standard Company procedures. Charges equal to the Trouble Location Charge will apply as appropriate. The Company does not assume responsibility for the compatibility or suitability of the customer's equipment.

6. The Service Connection Charges specified herein are in lieu of the Service Charges specified in Section A4 except as noted.
7. Data Transport Access Channels are furnished for service seven days per week, twenty-four hours per day, for a minimum period of one month.
8. (DELETED)
9. These services are provided on a link basis from A29.2.3 and B3.2. and B7.2 of the Private Line Service Guidebook.

C. Types and Descriptions

1. Dial Access Channel Service

- a. Provides central office line equipment and facilities in a terminating central office for calls between the local exchange network and a Company provided data switched service or for connection to a dedicated access analog channel service.
2. In lieu of Direct Access Channel Service, see B3.2 of the Private Line Service Guidebook for analog channel service and B7.2 for digital channel service.

A29. DATA TRANSPORT SERVICE

A29.2 Data Transport Access Channel Service (Cont'd)

A29.2.2 Terms and Conditions (Cont'd)

(T)

C. Types and Descriptions (Cont'd)

A29. DATA TRANSPORT SERVICE

A29.2 Data Transport Access Channel Service (Cont'd)

A29.2.2 Terms and Conditions (Cont'd)

(T)

C. Types and Description (Cont'd)

A29. DATA TRANSPORT SERVICE

A29.2 Data Transport Access Channel Service (Cont'd)

A29.2.2 Terms and Conditions (Cont'd)

(T)

C. Types and Descriptions (Cont'd)

A29. DATA TRANSPORT SERVICE

A29.2 Data Transport Access Channel Service (Cont'd)

A29.2.2 *Terms and Conditions* (Cont'd)

(T)

C. Types and Descriptions (Cont'd)

4. (DELETED)

A29. DATA TRANSPORT SERVICE

A29.2 Data Transport Access Channel Service (Cont'd)

A29.2.2 *Terms and Conditions* (Cont'd)

(T)

D. Application of Rates

1. Dial Access Channels

- a. Dial Access Channel Service always requires a Dial Access Line. One Dial Access Line is required for each line arranged in a multiline group.
- b. Dial Access Lines arranged in multiline groups which would allow an incoming call to a line that is called to be completed over another line by means of central office equipment will require Business Rotary Line charges as specified in Section A3.

(T)

A29. DATA TRANSPORT SERVICE

A29.2 Data Transport Access Channel Service (Cont'd)

A29.2.2 Terms and Conditions (Cont'd)

(T)

D. Application of Rates (Cont'd)

2. Central Office Data Set

- a. This option connects an Access Channel to a data set at a terminating central office. Several types of data set connections are provided according to the type of associated Access Channel and transmission speed desired by the customer.
- b. The 2.4 Kbps Dial Central Office Data Set shown in A29.2.3.B.1.(c) following is capable of transmitting/receiving a data signal at the speed of 2.4 kbps. It also has an autobaud detection feature which allows it to adapt its speed to the speed of the call originating customer premises data set. In this autobaud mode, this data set functions at 2400/1200/300 bps.
- c. The 9.6 Kbps Dial Central Office Data Set shown in A29.2.3.B.1.(d) following is capable of transmitting/receiving a data signal at the speed of 9.6 Kbps. It also has an autobaud detection feature which allows it to adapt its speed to the speed of the call originating customer premises data set. In this autobaud mode, this data set functions at 9600/2400/1200/300 bps.

A29.2.3 Rates and Charges

A. Dial Access Channel Service

1. Per Dial Access Line

	Nonrecurring Charge	Monthly Rate	USOC IDCVX
(a) Each	\$64.00	\$36.00	

A29. DATA TRANSPORT SERVICE

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

A29.7.3 Terms and Conditions

(T)

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
- 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.

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 a 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 a 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 Contract Assembly Arrangement

We reserve the right to develop unique customer applications should such requests occur.

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.

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*, or¹ (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. An 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 Secondary Service Charge as specified in Section A4. will apply. (T)
3. An 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 Secondary Service Charge as specified in Section A4. will apply. (T)

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 *terms and conditions* specified in Section A2. (T)

Note 1: A Secondary 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. A Secondary Service Charge found in A4.2 will apply.
- B. Basic Service includes service establishment, multilevel security, and network administration aids.
- C. Administrative Management Service - Basic Service
 - 1. Service Establishment

(T)

	Month	24 to	49 to		
	Installation	To	48	72	
	Charge	Month	Months	Months	
				USOC	
(a) Initial Setup	\$680.00	\$-	\$-	\$-	SESBC
2. Usage, per Month					
(a) Up to 50 transactions	-	4.50	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		USD PX

A29. DATA TRANSPORT SERVICE

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

A29.7.6 Rates and Charges (Cont'd)

C. Administrative Management Service - Basic Service (Cont'd)

3. User ID's, per Customer

	Charge	USOC
(a) First 15	\$18.00	U1G1X
(b) Each Additional set of 5	18.00	U1GAX

D. Port Access

1. Per Access Capability

	Charge	Month Installation Month	24 to To Months	49 to 48 Months	72 USOC
(a) Dial/Shared Access	\$225.00	\$100.00	\$88.00	\$76.00	MDQ
(b) Dedicated Access	240.00	161.00	143.00	124.00	MD6

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 ¹	-	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: A Secondary Service Charge as specified in Section A4. will apply.

(T)

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

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

(1) Select a new payment period as offered in the current *guidebook*, or¹ (T)

(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 (T)

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.

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

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. (Obsoleted, see Section A132)¹ (Cont'd)
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) (Obsoleted, see Section A132)¹
 - b. (Obsoleted, see Section A132)¹
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 *terms and conditions* 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.

A32.1.2 Integration Plus Management Services Terminal Interface

A. Terms and Conditions (T)

1. General

The Integration Plus Management Services Terminal Interface chosen is utilized with either a switched service, a private line service or web access service as a means of accessing FlexServ service. (IPMSTI may only be used with FlexServ service). If the customer is located outside a local calling area, he must obtain any required switched service from *the Company* 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 Section A132). (T)

Note 1: The terms and conditions for this plan that appear in Section A132. apply to any customer who is receiving the plan as of March 30, 2006, and they will continue to apply until such a customer terminates the plan or changes service locations.

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)

(T)

2. Availability of Access

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

3. Requirements For Access

a. (Obsoleted, See Section A132.)

b. (Obsoleted, See Section A132.)

c. Management Terminal Interface - Web Access

The customer must provide a personal computer (pc) equipped with web access. The customer will be provided a web address to establish a port connection to FlexServ service.

d. (Obsoleted, See Section A132.)

e. (Obsoleted, See Section A132.)

4. Rates and Charges

a. (Obsoleted, See Section A132.)

Note 1: Obsoleted, see Section A132. The terms and conditions for this plan that appear in Section A132. apply to any customer who is receiving this plan as of March 30, 2006, and they will continue to apply until such a customer terminates the plan or changes service locations.

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)

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4. Rates and Charges (Cont'd)

- a. (Obsoleted, See Section A132.) (Cont'd)
- b. (Obsoleted, See Section A132.)

	Installation Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
c. Web Interface for FlexServ Service						
(1) Web Access						
(a) Per Arrangement	125.00	25.00	Obsoleted¹	Obsoleted¹	Obsoleted¹	DSLWE

Note 1: Obsoleted, see Section A132. The terms and conditions for this plan that appear in Section A132. apply to any customer who is receiving this plan as of March 30, 2006, and they will continue to apply until such a customer terminates the plan or changes service locations.

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

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

A32.1.3 FlexServ Service

A. *Terms and Conditions*

1. Basic FlexServ Service

The basic service includes monitoring and reconfiguration of the customer's private line and local exchange services equipped with 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 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 FlexServ service options to or from others of like kind at a central office or central offices where the customer has purchased 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 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 web access service. There are several types of access to the service listed in A32.1.2 from which the customer may choose. Each FlexServ service customer must purchase at least one type of access.

With the customer's initial order for basic 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 FlexServ service or "User Access". One customer identification code with password security is included with such access.

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 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 *terms, conditions* and rates specified herein are in addition to the applicable *terms, conditions* and rates specified in other sections of this **Guidebook**.

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

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

A32.1.3 FlexServ Service (Cont'd)

A. Terms and Conditions (Cont'd)

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2. Customer Circuits

There are four (4) types of channel connections which can be connected to FlexServ service - DS0 (Single channel), DS1 (1.544 Mbps) digital circuits, SMARTRing service and STS-1 (51.84Mbps) digital circuits.

DS0 Channel Connections - There are two types of DS0 channel connections - Voice Grade type and Digital type. Both types of DS0 connections will be switched at a DS0 level.

DS1 Channel Connections - There are two types of connections available for a customer desiring to terminate a DS1 circuit - DS0 switching and DS1 switching. For example, if a customer needs to be able to monitor or reconfigure the twenty-four DS0 circuits riding on the DS1 channel, then the customer would purchase a DS1 channel connection with DS0 switching. If the customer does not need access to the individual DS0 circuits, then the customer would purchase a DS1 channel connection with DS1 switching.

SMARTRing service Channel Connections - FlexServ service is available only with OC-3 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.

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-3+			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 FlexServ Service (Cont'd)

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

3. Maintenance

Due to the nature of FlexServ service it may be necessary to perform preventive maintenance on the system. This will mean that the 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 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

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 FlexServ service are provided out of this *Guidebook* and the Private Line *Guidebook*, and are subject to all *terms, conditions* and charges contained in their respective *guidebooks* in addition to those contained herein.

6. Local Exchange Services

Local exchange services connecting to FlexServ service utilizing a voice grade DS0 channel connection are available with Network Access Register (NAR) Packages located in Section A3.

Calls routed to Public Service Answering Positions for 911 emergency calls over services terminated in FlexServ service will result in incorrect address information being generated in an emergency situation. When local exchange type services terminate in FlexServ service, the customer has reconfiguration capability. Therefore the address on the customer record is the central office where the dialtone originates and terminates into 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 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 FlexServ service 30 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 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

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.

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

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

A32.1.3 FlexServ Service (Cont'd)

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

8. Shared FlexServ Service Arrangement

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

The customer must be authorized to represent the interexchange carrier(s) in all transactions and communications with the Company regarding the shared 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 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 FlexServ service arrangement must give the Company thirty 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.

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A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

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

A32.1.3 FlexServ Service (Cont'd)

B. Definitions

CHANNEL

A channel is a dedicated or switched service purchased from the appropriate *Guidebook* and terminated on the FlexServ service reconfiguration equipment. It is the communications path that the 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 Technical Reference 73501. A copy may be obtained by writing BellSouth Telecommunications, Inc., Documentation Operations, 3535 Colonnade Parkway, North Building, Birmingham, Alabama 35243. (T)

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 Technical Reference 73501. A copy may be obtained by writing BellSouth Telecommunications, Inc., Documentation Operations, 3535 Colonnade Parkway, North Building, Birmingham, Alabama 35243. (T)

C. Options

1. **Additional Concurrent User Access:** This option provides the customer the ability to establish additional concurrent connections to the Company for the communication of monitoring and reconfiguration signals. One additional customer identification code is provided with each additional User Access. For each Additional Concurrent User Access ordered, the customer must also order an additional Management Terminal Interface from A32.1.2 preceding.
2. **Additional User Identification Codes:** This option provides customer identification codes in addition to that provided with each User Access. If the customer has ordered a Dial or Web Interface, then the customer must also order an additional Security Card from A32.1.2 preceding.
3. **Additional Customer Training:** This option provides one eight hour day of customer training in addition to that included with basic FlexServ service. 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 the additional training be provided on the customer's premises, then the customer will provide transportation, lodging, and food for the trainer.
4. **Multipoint Bridging:** Multipoint Bridging is a capability which permits the cross connection of multiple channels equipped with FlexServ service.
 - a. **Multipoint Bridging,** sometimes referred to as "DMB", is an option on voice grade service that allows the customer the capability to perform reconfigurations that cross-connect or bridge three or more channels in the FlexServ service arrangement into one conferencing arrangement.
 - b. **Multipoint Junction Unit option** gives the customer the ability to bridge one master and four patron legs for use with SynchroNet service. If more than one MJU is required, one of the four patron legs must be used to connect to the master leg of another MJU. The customer is responsible for this connection. The MJU feature is only offered in a unit of five channel connections (one master and 4 legs).
5. **Substrate Reconfiguration Capability** is an option that provides the customer the ability to control all ports of a substrate multiplexer within a FlexServ service arrangement. This control includes both the DS0B channel and DS0A legs. The speeds for substrates are 2.4, 4.8, and 9.6 Kbps (does not include 19.2 Kbps). The customer has the responsibility to establish a substrate system using previously acquired DS0 ports.

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

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

A32.1.3 FlexServ Service (Cont'd)

C. Options (Cont'd)

6. Reconfigurations by Company Personnel: The customer may request that Company personnel perform reconfigurations that the customer would otherwise perform without the direct interaction with Company personnel.

D. Rate Element Description

1. Application of Rates

- a. Connection of a voice grade, digital service channels and DS1 level private line services to Reconfiguration and Monitoring Capability requires a nonrecurring connection charge and a monthly rate for each entrance and exit of these services.

The charges associated with the DS0 level connection includes a cost for the required channelization of this connection.

b. Options

- (1) Additional Concurrent User Access

For each additional User Access a nonrecurring charge and a monthly rate applies.

- (2) Additional User Identification Codes

A nonrecurring charge applies for each additional ID requested.

- (3) Additional Customer Training

Any additional training will incur a nonrecurring charge for each eight (8) hour day of training.

- (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

- (1) Service Charge found in Section A4. will apply.

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

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

A32.1.3 FlexServ Service (Cont'd)

- D. Rate Element Description (Cont'd)
 - 2. Rates and Charges (Cont'd)
 - c. FlexServ Service Options (Cont'd)
 - (6) Reconfiguration by Company Personnel,
Request for Company to perform
reconfiguration activity

(a) Per Request

Nonrecurring	
Charge	USOC
\$25.00	FSSRA

A32.1.4 Network Usage Information Service

A. Terms and Conditions

- 1. The rates in C. following are in addition to all other applicable rates required to provide these services. (T)
- 2. The Service Charge found in Section A4. is applicable in addition to other rates and charges identified for this service. (T)

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

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

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

A. Terms and Conditions (Cont'd)

(T)

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.
9. Customer billing for the usage plans as outlined in C.5. following will be determined on a monthly basis.

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, Electronic Tandem Switching service, Digital Electronic Tandem Switching service, MultiServ service, MultiServ PLUS service, or BellSouth Centrex service call record detail data to the customer's premises.

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, Multi-Line Hunt Groups, Subscriber Line Measurements, Customer Facilities Groups and Attendant Consoles. These reports vary based on central office types and equipment availability.

C. Rates and Charges

1. Service Establishment

	Installation Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC NU1AA
(a) Per Customer Database	\$250.00	\$-	\$-	\$-	\$-	

A32. INTEGRATION PLUS MANAGEMENT SERVICES (IPMS)

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

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

C. Rates and Charges (Cont'd)

2. Port Connection, Per Connection Capability

	Installation Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Out Dial/Shared Connection	\$200.00	\$88.00	\$80.00	\$75.00	\$70.00	NU1AB
(b) Dedicated Connection ¹	500.00	144.00	131.00	123.00	115.00	NU1AC
3. (DELETED)						
4. Station Message Detail - Premises ²						
(a) Per System	250.00	-	-	-	-	NU1AG
5. Station Message Detail - Premises, Usage Plans ³						
a. Message Usage Levels						
(1) 1 - 100,000						
(a) Per Two (2) Messages				Charge		USOC
(2) 100,001 - 300,000				\$.01		NU1AE
(a) Per Four (4) Messages				.01		NU1AE
(3) 300,001 - 500,000						
(a) Per Six (6) Messages				.01		NU1AE
(4) 500,001 and above						
(a) Per Eight (8) Messages				.01		NU1AE
6. Traffic Reports						
(a) Per Measurement ID, Per Report				20.00		NU1AF

Note 1: 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 2: The customer must subscribe to the ESSX service or Digital ESSX service SMDR feature.

Note 3: If the total number of messages equate to an uneven number, it will be rounded downward.