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## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

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## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

### A129.1 Data Transport Access Channel Service

(Obsolete 2-26-90, Type 4) Direct Access Channel Service will be continued for existing customers as specified in this section. Normal station activity such as rearrangements, changes or moves is allowed at existing locations. This service is not available for new installations on or after the obsolete date.

(Obsolete 08-12-94, Type 4) Dial Backup Service will be continued for existing customers as specified in this Section. This service is not available for new installations on or after the obsolete date.

#### A129.1.1 Terms and Conditions

##### A. Basis of Offering

1. Direct Access Channel Services are provided on a link basis similar to the components of Access Services in contrast to traditional Private Line Channel Services which are offered on an end-to-end basis as described in other sections of this *Guidebook* and the Private Line *Guidebook*. (T)
2. Digital Access Channels can only be provided to customers who are served from central offices specifically designed for this service and where appropriate facilities are available.
3. An optional dial backup capability for Analog direct access channels is provided at the central office.

##### B. Types and Descriptions

##### 1. Direct Access Channel Service

###### a. Analog Channel Service

- (1) Provides the analog channel facilities between the customer's premises and a terminating central office, between the customer's premises and a Composite Data Service, or between two Composite Data Service Vendor locations for half duplex or full duplex data transmission at speeds of up to 9600 bps.
- (2) Local Channels Types and Descriptions
  - Two-Wire<sup>1</sup> with Two-Wire Interface: A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss<sup>2</sup> of no greater than 16 dB. Generally used in the provision of low speed (1200 baud or less) half duplex or full duplex data services.
  - Four-Wire with Four-Wire Interface: A four-wire interface with effective four-wire facilities engineered for a 1000 Hz net loss<sup>2</sup> of 16dB. Generally used in the provision of duplex data services at 9600 baud or less.
  - Four-Wire with Two-Wire Interface: A two-wire interface with effective four-wire facilities engineered for a 1000 Hz net loss<sup>2</sup> of 16dB. Generally used in the provision of half duplex data services.
- (3) Interoffice Channels will be similar for all types of uses for Analog Local Channels. Customers must have one Interoffice Channel for connecting two customer premises in different serving wire center areas or when the terminating central office is not the same as the serving wire center.
- (4) Basic Parameters and Specifications - The following transmission characteristics and specifications are described for end-to-end (customer premises to customer premises or customer premises to terminating central office) operation without switching.

**Note 1:** Transmission data characteristics specified can only be met and guaranteed when the airline distance from the serving central office to the customer's premises is one mile or less and the interoffice channel is not greater than 4 airline miles between serving central offices. These restrictions are waived where a customer's data set limits transmission power levels to 0.0 dBm peak and -13 dBm average power over a 3 second period.

**Note 2:** Losses or gains present in Customer Premises Equipment (CPE) are not included.

**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

**A129.1 Data Transport Access Channel Service (Cont'd)**

**A129.1.1 Terms and Conditions (Cont'd)**

(T)

**B. Types and Descriptions (Cont'd)**

1. Direct Access Channel Service (Cont'd)

a. Analog Channel Service (Cont'd)

(4) (Cont'd)

<b>Basic Parameter</b>	<b>Specification</b>
Net Loss	Refer to Types and Descriptions
Frequency Error	Plus or Minus 5 Hz
Frequency Response:	
300-3000 Hz	-3dB to +12dB
<b>Basic Parameter</b>	<b>Specification</b>
500-2500 Hz	-2dB to +8dB
Envelope Delay Distortion:	
1000-2400 Hz	Less than 1000 Microseconds
800-2600 Hz	Less than 1750 Microseconds
C-Notched Noise (with a -13dBm0 1000Noise level 24dB below signal level Hz Test Signal)	
Impulse Noise	15 counts in 15 minutes at a threshold of 6dB below a -13dBm 0rms 1000 Hz signal
Phase Jitter	10 degrees peak to peak
Non-Linear Distortion:	
2nd Order Distortion	25dB below signal level
3rd Order Distortion	30dB below signal level

(5) Requires a customer provided analog data set (modem) at the customer's premises.

(6) Rates and charges for Channel Conditioning as specified in B3.8 of the Private Line *Guidebook* may be required when customer specifications exceed the transmission characteristics described in this *Guidebook*.

(T)

b. Digital Channel Service

(1) Provides the digital channel facilities between the customer's premises and a terminating central office, between the customer's premises and a Composite Data Service, or between two Composite Data Service Vendor locations for simultaneous two-way digital data transmission at synchronous speeds of 2.4, 4.8, 9.6 or 56 kpbs.

(2) Requires a customer provided digital data set at the customer's premises to perform such functions as proper coding and decoding of signals, timing recovery, synchronous sampling, formatting, and generation and recognition of control signals.

## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

### A129.1 Data Transport Access Channel Service (Cont'd)

#### A129.1.1 Terms and Conditions (Cont'd) (T)

##### B. Types and Descriptions (Cont'd)

##### 1. Direct Access Channel Service (Cont'd)

##### b. Digital Channel Service (Cont'd)

- (3) Requires a customer provided Channel Service Unit (CSU) at the customer's premises. The CSU performs such functions as proper termination of the service, amplification, signal shaping and remote loop-back. The CSU must be furnished by the customer. CSUs must be connected in accordance with the *terms and conditions* set forth: (T)

The following Interim Program has been established to accommodate the connection of CSUs to Digital Service during the pendency of proposed Rulemaking to modify Part 68 of the FCC's Rules and Regulations (Registration Program) to include such equipment. The Interim Program was established in accordance with the FCC's Third Notice of proposed Rulemaking in Docket 81-216 (FCC 83-268).<sup>1</sup>

- CSUs of a type listed on the Interim Program Summary may be connected at the customer's, user's or Other Carrier's premises to a Digital Service. (A copy of the Interim Program Summary is available from the Federal Communications Commission, Room BB300, Washington, D.C. 20554.) Additional types of equipment may be added to the Interim Program Summary in one of the following ways.

By being directly connected to any Company-provided Digital Service or digital facility as of August 24, 1983.

When the manufacturer of the CSU submits a notarized affidavit to the FCC, Chief, Domestic Services Branch, Washington, D.C. 20554, attesting to the following:

The equipment meets the proposed technical requirements for connections to a Company provided Digital Service or digital facility. The technical requirements are those that have been proposed by the Company to the FCC for inclusion in Part 68 of the Rules. (Copy available from the Federal Communications Commission, Washington, D.C. 20054.)

The equipment complies with the requirements of the Bell System Technical Reference Publication 62310, dated August, 1983. This publication is available from Publishers' Data Center, Inc., P.O. Box C738, Pratt Street Station, Brooklyn, New York 11205.

- Until expiration of the Interim Program, CSUs that are listed on the Interim Program Summary may be connected to a Digital Service.
- Any CSU connected pursuant to this Interim Program may require modification in response to Part 68 of the Rules adopted in FCC Docket No. 81-216 or RM 3530.<sup>1</sup>
- CSUs that are connected under the Interim Program may remain connected and be moved and reconnected for the life of the equipment, except as may be required in response to Part 68 of the Rules adopted in FCC Docket No. 81-216 or RM 3530.<sup>1</sup>
- The Company may invoke extraordinary procedures to protect a Digital Channel Service. Extraordinary procedures may be applied when one or more of the following conditions are present:

Information provided in the affidavit gives reason to believe that a violation of the Interim Program is likely.

**Note 1:** Filed in Compliance with the Third Notice of Proposed Rulemaking in FCC Docket 81-216 (83-268).

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## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

### A129.1 Data Transport Access Channel Service (Cont'd)

#### A129.1.1 Terms and Conditions (Cont'd) (T)

##### B. Types and Descriptions (Cont'd)

##### 1. Direct Access Channel Service (Cont'd)

##### b. Digital Channel Service (Cont'd)

##### (3) (Cont'd)

Harm has occurred and there is reason to believe this harm was caused by the CSU.

In such cases, the extraordinary procedures which can be invoked by the Company include requiring the customer to provide protective apparatus, or disconnecting service.

A charge equal to the Trouble Location Charge as specified in Section A15. will apply when it is necessary to send a repair person to the premises where the connection is made because of a harm or suspected violation and failure to comply with the Interim Program is disclosed. (T)

- The Interim Program will expire on adoption of final FCC Rules in RM 3530, unless sooner canceled, changed or extended.

##### c. Dial Backup Service

(1) Dial Backup Service is available with Analog direct access channels and the associated Central Office Data Set.

(2) Dial Backup Service allows a customer to alternate communications from a direct access channel to the Public Voice Switched Network. Through compatible customer provided equipment and facilities located at the customer's premises, the customer signals the Central Office Dial Backup Unit to alternate to the Public Voice Switched Network.

(3) The maximum transmission speed Dial Backup Service will support is equivalent to the speed of the associated direct access channel. If this speed cannot be achieved at an acceptable error rate, the Central Office Dial Backup Unit will automatically fall back to the next speed (e.g., 4800 bps to 2400 bps).

(4) Dial Access Channel Service is required in the Terminating Central Office in addition to the Central Office Dial Backup Unit. Dial Backup service is available only with a 4-wire (full-duplex) direct access channel. When alternating from a 4-wire direct access channel transmitting at any speed up to and including 9.6 Kbps, one Central Office Dial Backup Unit and two Dial Access Lines are required.

(5) The customer's compatible unit must be able to detect the loss of the direct access channel and signal the Central Office Dial Backup Unit. The Central Office Dial Backup Unit is equipped with auto-answer. Thus, when signalled by the customer's compatible unit, the Central Office Dial Backup Unit automatically answers and the alternate communication is established over the Public Voice Switched Network.

(6) Likewise, the customer's compatible unit must be able to signal the Central Office Dial Backup Unit when communications can be re-established over the direct access channel.

(7) Dial Backup Service is provided subject to the availability of appropriate network facilities and equipment.

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## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

### A129.1 Data Transport Access Channel Service (Cont'd)

#### A129.1.1 Terms and Conditions (Cont'd)

(T)

##### C. Applications of Rates

##### 1. Direct Access Channels

##### a. Analog Access Channels

- (1) Local Access Channels provide service wholly within a switching central office's serving area. The local access channel is furnished between the customer's premises and the serving central office. Charges are flat rated within the Base Rate Area. Additional zone charges are applicable outside the Base Rate Area.
- (2) Interoffice Channel rates may also be applicable when the serving central office is not a terminating central office, or to interconnect two Local Access Channels serving two customer locations in two different serving central office or wire center areas. Interoffice channel rates are distance sensitive measured in airline miles between the two offices.<sup>1</sup>
- (3) Two Central Office Terminating Equipment Charges are applicable per Interoffice Access Channel.

##### b. Digital Access Channels

- (1) Two types of Digital Access Lines are offered and there are two categories within each type of Digital Access Line. Service is provided as follows:
  - Type I Digital Access Lines are furnished to serve customer or terminating central office locations within the baseband transmission serving area of the principal central office.
  - Type II Digital Access Lines are furnished to serve customer or terminating central office locations outside the baseband transmission serving area of the principal central office.

**Note 1:** Refer to the Georgia Access Service Tariff, Section E10, for mileage and measurement methodology and wire center vertical (V) and horizontal (H) coordinates information.

**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

**A129.1 Data Transport Access Channel Service (Cont'd)**

**A129.1.1 Terms and Conditions (Cont'd)**

(T)

**C. Applications of Rates (Cont'd)**

**1. Direct Access Channels (Cont'd)**

**b. Digital Access Channels (Cont'd)**

**(1) (Cont'd)**

- Category A within Type I or Type II Digital Access Lines are furnished to connect a customer location and a principal central office.
- Category B within Type I or Type II Digital Access Lines are furnished to connect a principal central office with a terminating central office.

(2) Two Digital Access Lines are always required for service. One from a customer location to the principal central office and one from the principal central office to a terminating central office or second customer location.

(3) Type I Digital Access Lines are flat rated. Type II Digital Access Lines contain a Fixed Component rate and a Distance Sensitive rate.

(4) Distance Sensitive rates are measured in airline miles. Category A channel mileage is measured between the customer's serving central office and the corresponding principal central office. Category B channel mileage is measured between a principal central office and its corresponding terminating central office.<sup>1</sup>

**A129.1.2 Rates and Charges**

**A. Direct Access Channel Service**

**1. Analog Channel Service**

**a. Local Access Channel**

**(1) Per Local Channel**

	<b>Nonrecurring Charge</b>	<b>Monthly Rate</b>	<b>USOC</b>
(a) (DELETED)			
(b) Each, Four-Wire with Four-Wire Interface	<b>\$211.00</b>	<b>\$63.00</b>	<b>1DCBX</b>

**Note 1:** Refer to the Georgia Access Service Tariff, Section E10, for mileage measurement methodology and wire center vertical (V) and horizontal (H) coordinates information.

**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

**A129.1 Data Transport Access Channel Service (Cont'd)**

**A129.1.2 Rates and Charges (Cont'd)**

**A. Direct Access Channel Service (Cont'd)**

**1. Analog Channel Service (Cont'd)**

**a. Local Access Channel (Cont'd)**

**(2) First Zone<sup>1,2</sup>**

- (a) Each, Two-Wire with Two-Wire Interface
- (b) Each, Four-Wire with Four-Wire Interface
- (c) Each, Four-Wire with Two-Wire Interface
- (3) Each Additional Zone<sup>1,2</sup>**
  - (a) Each, Two-Wire with Two-Wire Interface
  - (b) Each, Four-Wire with Four-Wire Interface
  - (c) Each, Four-Wire with Two-Wire Interface

	<b>Nonrecurring Charge</b>	<b>Monthly Rate</b>	<b>USOC</b>
	\$-	<b>\$6.40</b>	<b>1LS2+</b>
	-	<b>12.80</b>	<b>1LS4+</b>
	-	<b>12.80</b>	<b>1LS5+</b>
	-	<b>12.80</b>	<b>1LS2+</b>
	-	<b>25.60</b>	<b>1LS4+</b>
	-	<b>25.60</b>	<b>1LS5+</b>

**b. (DELETED)**

(D)

**c. Central Office Terminating Equipment**

**(1) Two per Interoffice Channel**

- (a) Each

<b>25.00</b>	<b>33.30</b>	<b>CTJ</b>
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**2. Digital Channel Service**

**a. Type I Digital Access Channel**

**(1) Category A**

- (a) **(DELETED)**
- (b) **(DELETED)**
- (c) Transmission Speed 9.6 kbps
- (d) Transmission Speed 56.0 kbps

<b>210.00</b>	<b>136.00</b>	<b>1DC9X</b>
<b>210.00</b>	<b>200.00</b>	<b>1DC5X</b>

(D)

(D)

**(2) Category B**

- (a) **(DELETED)**
- (b) **(DELETED)**
- (c) Transmission Speed 9.6 kbps

<b>71.00</b>	<b>100.00</b>	<b>1DH9X</b>
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(D)

(D)

**Note 1:** Zone charges are additive to the basic Local Channel charge.

**Note 2:** When a serving central office is located outside the BRA, no zone charges will apply to a customer located in the same zone as the serving central office or in a zone which is adjacent to the serving central office's zone.



**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

**A129.1 Data Transport Access Channel Service (Cont'd)**

**A129.1.2 Rates and Charges (Cont'd)**

- A. Direct Access Channel Service (Cont'd)
  - 2. Digital Channel Service (Cont'd)
    - a. Type I Digital Access Channel (Cont'd)
      - (2) Category B (Cont'd)

	Nonrecurring Charge	Monthly Rate	USOC	
(d) <b>(DELETED)</b>				(D)
b. Type II Digital Access Channel				
(1) <b>(DELETED)</b>				(D)
(2) <b>(DELETED)</b>				(D)
(3) Categories A and B - Distance Sensitive Charge per Mile				
(a) Transmission Speed 2.4 kbps	-	2.15	1LN2X	
(b) <b>(DELETED)</b>				(D)
(c) Transmission Speed 9.6 kbps	-	3.05	1LN9X	
(d) Transmission Speed 56.0 kbps	-	9.70	1LN5X	

**B. (DELETED)**

**C. Service Connection Charges**

- 1. Only one Service Ordering Charge applies for (1) a channel service,<sup>1</sup> (2) or more than one channel service ordered and installed at the same time of the same type for termination at the same premises.
  - a. Service Ordering Charges
    - (1) Per Service Order

	Nonrecurring Charge	USOC
(a) Direct Access Channel - Analog	\$250.00	NA
(b) Direct Access Channel - Digital	340.00	NA

**Note 1:** A channel service is defined as one or more access channel links physically connected together in order to provide end to end service. In the case of a Company provided data switched service, a channel service is defined as all channel links between a customer's premises and his terminating central office, and includes any associated central office data sets.

**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

**A129.1 Data Transport Access Channel Service (Cont'd)**

**A129.1.2 Rates and Charges (Cont'd)**

**B. Service Connection Charges (Cont'd)**

- 2. Premises Visit Charges are applicable for termination of an Access Line on a customer's premises. Only one Premises Visit Charge applies when more than one channel service of the same type is terminated at the same premises at the same time.
  - a. Premises Visit Charges
    - (1) Per Premises Visit

<b>Nonrecurring</b>	<b>USOC</b>
<b>Charge</b>	
<b>\$33.00</b>	<b>NA</b>
<b>40.00</b>	<b>NA</b>

- (a) Direct Access Channel - Analog
- (b) Direct Access Channel - Digital
- 3. Premises Work Charges as specified in Section A4. are applicable for the placing, extending, moving or changing inside wire to provide for the connection of terminal equipment to an Access Line. (T)
- 4. Moves and Changes
  - a. When an access line is moved to a different location in the same building on the same premises, a charge of one-half the nonrecurring charge applies.
  - b. When an access line is relocated to a different premises or to a different building on the same premises, full nonrecurring charges apply.
  - c. When, at the request of the customer, an existing access channel service is replaced by another access channel service of a different kbps, the charge applicable is the same as that for a new installation of the replacing access channel service.
- 5. Charges for unloading cable pairs, where required, are as follows:
  - a. Analog Access Lines - Refer to Section B3. of the Private Line *Guidebook*. (T)
  - b. Digital Access Lines - Refer to Section B6. of the Private Line *Guidebook*. (T)
- 6. Trouble Location Charges are as specified in Section A15. (T)

**A129.2 Reserved for Future Use**

**A129.3 Reserved for Future Use**

**A129.4 FlexServ Service - Digital Access Cross Connect**

(Obsoleted 12-28-92, Type D) Not available for new installations or transfers of service to new locations. This service under this *Guidebook* will not be available after March 31, 1993. (T)

## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

### A129.4 FlexServ Service - Digital Access Cross Connect (Cont'd)

#### A129.4.1 Description of Service

##### A. General

FlexServ service provides customers flexibility in managing and reconfiguring their special service networks. It has the ability to connect a single digital (DSO) circuit, or multiples of up to 24 DSO circuits, from one line to any other line controlled from a customer's location.

FlexServ service is furnished in conjunction with intraLATA communications provided by the Company. A customer may connect his intrastate interLATA communications to FlexServ service. The customer shall be responsible for the ordering of his intrastate interLATA facilities.

##### B. Customer Circuits

The basic unit of service for FlexServ service is a single voice frequency (DSO) channel. Service is also provided for full DS1 (1.544 Mbps) digital circuits or synchronous subrate digital circuits (2.4, 4.8, 9.6 or 56 Kbps). Circuits operating at speeds other than DS1 require channelization. Each subrate digital circuit represents one voice equivalent channel. Customer circuits are made up of two general components - FlexServ service access lines and inter-digital cross-connect systems (DCS) facilities (channels) as required. Both may be provided out of this *Guidebook*, the Private Line *Guidebook* or other appropriate *Guidebooks*. (T)

##### C. Network Control

Network control switching capability is accomplished by making appropriate computer processor and certain digital cross-connect systems (DCS) assignments accessible in a secured manner to the FlexServ service customer. Network administration aids are available to assist users in monitoring and utilizing their networks. FlexServ service requires at least one signaling channel to communicate with the network controller for network management and administrative aids. The signaling channel can be provided using Private Line facilities or dial access. Private Line Signaling Channels extend from the customer premises to the nearest serving wire center equipped with a Signaling Channel Interface.

##### D. Maintenance and Operation

Due to the nature of FlexServ service it may be necessary to perform preventive and routine maintenance on the system. This maintenance will usually be performed between midnight and 2:00 A.M., Monday through Saturday, and all day Sunday. This will mean that the FlexServ service controller will be unavailable for circuit reconfiguration during these periods of time. 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.

#### A129.4.2 Explanation of Terms

##### CHANNEL

A channel is a private line or special access line purchased from the appropriate *Guidebook* and terminated on the DCS. It is the communications path that the DCS cross connects to another communications path. (T)

##### DIGITAL CROSS-CONNECT SYSTEM (DCS)

The DC S provides per channel DS0 electronic cross-connection and provides test access for digital signals transmitted at the DS1 rates. It can connect multiples of up to 24 DS0 circuits.

##### DSO

"DSO" refers to a North American hierarchy of Digital Signal Levels. It means Digital Signal Level 0 which is a 64 Kbps signal. The customer bit rates are limited to a 56 Kbps signal. The required D4 format is found in BellSouth Technical Reference 73501. A copy may be obtained by writing BellSouth Services, Documentation Operations, 2121 8th Avenue North, Birmingham, Alabama 35203.

EFFECTIVE: February 28, 2006

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## **A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

### **A129.4 FlexServ Service - Digital Access Cross Connect (Cont'd)**

(O)(T)

#### **A129.4.2 Explanation of Terms (Cont'd)**

(O)(T)

##### **DS1**

(O)

"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 Services, Documentation Operations, 2121 8th Avenue North, 9th Floor, Birmingham, Alabama 35203.

(O)

##### **FLEXSERV SERVICE ACCESS CHANNEL**

(O)

The FlexServ service Access Channel is a local circuit between the customer's premises and his serving wire center, plus interoffice facilities to the DCS equipped office if applicable.

(O)

##### **FLEXSERV SERVICE NETWORK ARRANGEMENT**

(O)

A FlexServ service Network Arrangement consists of all the FlexServ service facilities a customer purchases. This includes at least one Network Controller Signaling Channel Interface Connection Charge and two FlexServ service Access Channels as well as the appropriate charges necessary to connect these channels to the DCS.

(O)

##### **INTER-DCS CHANNEL**

(O)

An Inter-DCS Channel is a communication facility (a channel) between DCS equipped offices.

(O)

##### **MULTIPOINT BRIDGING**

(O)

Multipoint Bridging is a capability which permits the cross connection of multiple FlexServ service Access Channels.

(O)

##### **NETWORK CONTROLLER (NC)**

(O)

The Network Controller (NC) performs the end-to-end coordination of each reconfiguration request and compiles network management reports.

(O)

##### **RECONFIGURATION**

(O)

A reconfiguration occurs whenever a DCS cross connects a channel to one or more other channels.

(O)

##### **REQUEST**

(O)

A request occurs each time a customer contacts the Company to have a reconfiguration (or series of reconfigurations) performed by the Company. A request also occurs each time a customer contacts the Company for a status report.

(O)

##### **SIGNALING CHANNEL**

(O)

The Signaling Channel is the physical circuit that will allow end users to enter commands into the FlexServ service network controller(s).

(O)

##### **SIGNALING CHANNEL INTERFACE**

(O)

The Signaling Channel Interface will perform the communications interface function between end users and the FlexServ service network controller(s).

(O)

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## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

### A129.4 FlexServ Service - Digital Access Cross Connect (Cont'd)

#### A129.4.3 Terms and Conditions

- A. 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)
- B. FlexServ service is furnished only from serving wire centers equipped with DCS's. This service is provided subject to the availability of appropriate facilities. (T)
- C. The Local and Interoffice Channels are to be provided out of this *Guidebook*, Private Line *Guidebook*, Section B3. and B7., or other appropriate *guidebooks*, and are subject to all *terms, conditions* and charges contained in their respective *guidebooks* in addition to those contained herein. (T)
- D. A minimum initial service period of 3 months is required.
- E. Suspension of service is not allowed.

#### A129.4.4 Application of Rates

- A. General
  1. For the initial establishment of each FlexServ service network arrangement, a Service Establishment and Service Provisioning Charge applies. This charge does not apply for subsequent additions to that network arrangement.  
 When voice grade circuits requiring channelization are connected to FlexServ service one of the Voice Equivalent Channel capacity charges in A29.4.6.B. applies at each central office where these circuits are connected. If a customer needs to connect more voice grade circuits than the capacity purchased at a particular central office, the customer must order additional capacity. In addition to the capacity charge for the voice grade circuits, a channelization charge per circuit connected is required. These charges are located in A29.4.6.F.  
 All usual and applicable Installation Charges and/or Nonrecurring Charges as specified in other *guidebooks* apply to the disconnection and reconnection of analog circuits to FlexServ service. (T)
  2. A DCS port charge is required for each channel terminating on a DCS port. For Inter-DCS facilities, a DCS port charge applies.
  3. A multipoint bridging arrangement charge is applicable for each multipoint bridging arrangement which is required. Additionally, each FlexServ service Access Channel which can be connected by using a bridging arrangement will incur charges per channel bridged.
  4. A connection charge is required for each Direct Access or Dial-in facility used to access the Network Controller. Dial-in facilities are provided at rates contained in A29.4.6.C. Direct Access facilities may be obtained from the appropriate *guidebook*. (T)
  5. Reconfiguration Charges are applicable for each channel reconfiguration performed by the customer. Charges are also applicable for each reconfiguration request the customer makes to the Company and each transaction the Company performs at the customer's request. The charge for customer requests applies only to routine activities, i.e. reconfigurations a customer would normally make directly to the Company.

## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

### A129.4 FlexServ Service - Digital Access Cross Connect (Cont'd)

#### A129.4.4 Application of Rates (Cont'd)

##### B. Payment Schedules

1. FlexServ 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 Plan
  - 73 to 96 Month Term Payment Plan
2. FlexServ service customers may select variable payment periods under the Term Payment Plan.
3. The monthly rate for FlexServ service is dependent upon the payment period selected by the customer.
4. The monthly rate for FlexServ service under the Term Payment Plan for the periods of 24 to 48, 49 to 72, or 73 to 96 months is not subject to Company initiated rate changes.

##### C. Expiration of Payment Period

1. FlexServ service customers must upon the expiration of their payment period:
  - a. Select a new payment period as offered in the current *guidebook* (a Secondary Service Ordering charge as specified in Section A4. will apply), or (T)
  - b. Revert to the current rates for the one month payment option (if at the request of the customer, a Secondary Service Ordering charge as specified in Section A4. will apply), or (T)
  - c. Revert to the current rates for the one month payment option (if at the instance of the Company, a service ordering charge as specified in Section A4. will not apply). (T)
2. A FlexServ service customer may at any time during his selected payment period resubscribe for an equal or longer payment period at the current 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 Ordering charge as specified in Section A4. will apply. (T)
3. A FlexServ service customer may at any time during his selected payment period resubscribe 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. However, 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 to the former payment period.
  - d. A Secondary Service Ordering charge as specified in Section A4. will apply. (T)

##### D. Termination Liability

1. One Month Payment Plan - there is no termination liability for this option other than the initial service period as specified in A29.4.3.D.
2. Term Payment Plan Option - 90% of the remaining amount due. (When a customer is changing his payment plan period, the remaining amount due is the difference between the original payment plan and the resubscribed payment plan.)

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## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

### A129.4 FlexServ Service - Digital Access Cross Connect (Cont'd)

#### A129.4.4 Application of Rates (Cont'd)

##### E. Allowance for Interruptions

When service is interrupted due to a failure or malfunction in any of the components of the FlexServ service system and the reconfiguration capability is unavailable, a pro rata adjustment of the FlexServ service monthly charges will be allowed in accordance with the *terms and conditions* specified in Section A2. (T)

No allowances will be granted for interruptions required to perform preventive or routine maintenance between the time periods indicated in A29.4.1.D., or to perform software updates when the customer is notified at least 24 hours prior to such occurrences.

#### A129.4.5 Connections

##### A. Cross Connections Allowed

1. This offering applies to reconfiguring connections between pairs of FlexServ service channels.
2. On demand and cyclical type reconfigurations are supported. Requirements must be input to the Network Controller by the customer to activate reconfigurations.
3. For a given customer, all services on channels to the DCS's may not be compatible. Consequently, certain reconfiguration combinations must be denied. The Company shall not be responsible for service interruptions, troubles, loss of customer data, etc., resulting from invalid reconfiguration attempts. A channel service compatibility list will be provided to customers upon request.

##### B. DS Format

DS0 and DS1 signals as defined in the Company's technical references may be terminated on FlexServ service. Voice grade equivalent services incur capacity charges in A29.4.6.B and channelization charges in A29.4.6.F. Other 1.544 Mbps multiplexing formats must be converted to a standard D4 format, as defined in BellSouth Technical Reference 73501. A copy may be obtained by writing BellSouth Services, Documentation Operations, 2121 8th Avenue North, 9th Floor, Birmingham, Alabama, 35203.

##### C. Network Controller Signaling Channel Interfaces

Access to the Network Controller is via Private Line or Dial Access. Customers will be advised as to the type of compatible terminals and data sets upon request. All terminal equipment must be provided by the customer.

##### D. Delays

The Network Controller processes commands in the sequence received, consequently, on demand reconfigurations may not occur instantaneously during peak load hours.

##### E. Security

1. FlexServ service employs a multi-level security system to ensure the privacy of customer networks. To access the Network Controller, a customer must enter a log-in ID and a password. Additional security is offered with access to the Network Controller via a Private Line.
2. It is the customer's responsibility to protect his log-in ID and password. A customer can control only those channels assigned to him by the Company.

##### F. Trouble Reporting

A FlexServ service customer may have multiple control terminals. The Company's operations console must have access to the FlexServ service database for maintenance and trouble clearing purposes.

**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

**A129.4 FlexServ Service - Digital Access Cross Connect (Cont'd)**

**A129.4.6 Rates and Charges**

- A. Service Ordering Charge - (Premises visit not required) found in A4.2 will apply. (T)
- B. Basic Service includes customer reconfiguration capability for reservation and/or demand service, multilevel security, database initialization and network administration aids.

- 1. FlexServ service Basic Service
  - a. Service Establishment and Provisioning Charge
    - (1) Per Network Arrangement

	<b>Installation Charge</b>	<b>Month to Month</b>	<b>24 to 48 Months</b>	<b>49 to 72 Months</b>	<b>73 to 96 Months</b>	<b>USOC</b>
(a) Each customer	<b>\$2,275.00</b>	<b>\$5.00</b>	<b>\$4.90</b>	<b>\$4.75</b>	<b>\$4.65</b>	<b>FN6DD</b>
b. <b>(DELETED)</b>						(D)
2. DCS Port charge, per end link						
(a) Digital circuit - DS0	<b>21.00</b>	<b>8.00</b>	<b>7.80</b>	<b>7.60</b>	<b>7.40</b>	<b>F1Q</b>
(b) Digital circuit - DS1	<b>50.00</b>	<b>65.00</b>	<b>63.50</b>	<b>61.75</b>	<b>60.25</b>	<b>F16</b>
3. DCS Port charge, per inter-DCS Channel						
(a) Digital circuit - DS0	<b>7.00</b>	<b>16.00</b>	<b>15.60</b>	<b>15.20</b>	<b>14.80</b>	<b>D1Q</b>
(b) Digital circuit - DS1	<b>92.00</b>	<b>130.00</b>	<b>126.75</b>	<b>123.40</b>	<b>120.25</b>	<b>D1J</b>
4. Multipoint Bridging Arrangement Charge						
(a) Per multipoint bridging arrangement	<b>2.00</b>	<b>19.00</b>	<b>18.60</b>	<b>18.10</b>	<b>17.60</b>	<b>MPW</b>
(b) Per channel that can be bridged	<b>1.00</b>	<b>5.00</b>	<b>4.90</b>	<b>4.75</b>	<b>4.65</b>	<b>MPE</b>

- C. Network Controller Access (Dial Access Service)
 

Customers may access the network controller via dial-in service at the rates following or via direct access, (private line) to be obtained from the appropriate *guidebook*. (T)

(1) Dial Access						
(a) Per Dial Access line, with call-back capability	<b>12.00</b>	<b>90.00</b>	<b>87.75</b>	<b>85.50</b>	<b>83.25</b>	<b>D2GDU</b>



**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

**A129.4 FlexServ Service - Digital Access Cross Connect (Cont'd)**

**A129.4.6 Rates and Charges (Cont'd)**

**D. Network Controller Signaling Channel Interface Connection Charge**

Customers may access the network controller via Direct Access, to be obtained from the appropriate *guidebook*, or via Dial-in facilities as provided at rates contained in A29.4.5.C. (T)

This charge applies for each dial access line or direct access line connected to the network controller signaling channel interface.

- (1) Asynchronous Connection Charge

	<b>Month</b>	<b>24 to</b>	<b>49 to</b>	<b>73 to</b>	<b>USOC</b>	
<b>Installation</b>	<b>to</b>	<b>48</b>	<b>72</b>	<b>96</b>	<b>D2GAP</b>	
<b>Charge</b>	<b>Month</b>	<b>Months</b>	<b>Months</b>	<b>Months</b>	<b>USOC</b>	
(a) Per direct or dial access line	<b>\$54.00</b>	<b>\$120.00</b>	<b>\$117.00</b>	<b>\$114.00</b>	<b>\$111.00</b>	<b>D2GAP</b>

**E. Reconfiguration Charges**

- 1. Reconfiguration performed by the customer, or performed by the Company at the customer's request.

- a. Per reconfiguration

- (1) Reconfiguration

- (a) Each

<b>Charge</b>	<b>\$2.00</b>	<b>USOC</b>
		<b>WZZYK</b>

- (2) **(DELETED)**

- 2. **(DELETED)**

**F. (DELETED)**

(D)

(D)

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

**A129.5 (DELETED)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)



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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**  
**A129.5 (DELETED) (Cont'd)**

(D)

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## **A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

### **A129.6 AccuPulse Service**

(Obsoleted 01/02/02, Type 4; not available for new installations, additions or on transfers of service to new locations.)

#### **A129.6.1 General**

- A.** AccuPulse service is a digital, switched service that provides full duplex, at bit rates up to and including 56 kbps information transport via a specially equipped two-wire AccuPulse service Access Line.
- B.** AccuPulse service Access Lines allow a maximum of 56 kbps digital calls, except as referenced in A129.6.2.C. AccuPulse service Access Lines are not voice functional.

#### **A129.6.2 Terms and Conditions**

- A.** Explanation of Terms

##### **ACCUPULSE SERVICE ACCESS LINE**

The term AccuPulse service Access Line refers to the non-loaded facility connecting the customer premises to the AccuPulse service switching equipment and is similar to an individual business line.

##### **ACCUPULSE SERVICE ARRANGEMENT**

The term AccuPulse service Arrangement refers to the equipment required in the central office per line to support 56 kbps data transport over the AccuPulse service Access Line.

##### **ACCUPULSE SERVICE NETWORK CALL**

An AccuPulse service Network Call refers to a call placed from one AccuPulse service Access Line to another AccuPulse service Access Line whether or not the lines are served from the same AccuPulse service Serving Central Office.

##### **ACCUPULSE SERVICE NORMAL SERVING AREA**

The AccuPulse service Normal Serving Area is defined by the technical limitations of each specific serving arrangement and in the Company's judgment are necessary to accommodate the data transmission without excessive degradation.

##### **ACCUPULSE SERVICE REMOTE ACCESS LINE**

The term AccuPulse service Remote Access Line refers to an AccuPulse service Access Line when the service is provided using the AccuPulse service Remote Capability.

##### **ACCUPULSE SERVICE REMOTE CAPABILITY**

The term AccuPulse service Remote Capability refers to the facilities and equipment necessary to extend an AccuPulse service Access Line to certain customers who are served by central offices other than an AccuPulse service Serving Central Office.

##### **ACCUPULSE SERVICE SERVING CENTRAL OFFICE**

The term AccuPulse service Serving Central Office refers to the central office containing AccuPulse service switching equipment.

##### **SERVING WIRE CENTER**

The term Serving Wire Center denotes the local telephone central office assigned to subscribers in a well defined area. A Serving Wire Center may be further designated by the Company as an AccuPulse service Serving Central Office.

(T)

## A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE

### A129.6 AccuPulse Service (Cont'd)

#### A129.6.2 Terms and Conditions (Cont'd)

##### B. Basis of Offering

1. AccuPulse service is furnished in conjunction with intraLATA communications provided by the Company. InterLATA communications are supported through the Access Service Tariff.
2. AccuPulse service is provided subject to the availability of appropriate network facilities and equipment and is normally provided from the closest designated AccuPulse service Serving Central Office. Telephone numbers for AccuPulse service Access Lines will be assigned from the AccuPulse service Serving Central Office.
3. The minimum billing period will be one month.
4. The Company shall not be responsible if changes in any of the equipment, operations, or procedures of the Company utilized in the provision of AccuPulse 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.
5. Suspension of service is not allowed.
6. **Terms and Conditions** of Allowance for Interruptions apply as specified in A2.4.4. (T)
7. When AccuPulse service Remote Capability is purchased, the mileage charge will be calculated as follows:

The interoffice mileage charge will be based on the airline mileage between the AccuPulse service Serving Central Office and the customer's Serving Wire Center. Airline distance between Company central offices is to be developed from V&H coordinates listed in the National Exchange Carrier Association (NECA) Tariff, FCC No. 4.

##### C. Provision of Service

1. Calls placed on AccuPulse service Access Lines to other AccuPulse service Access Lines will be billed as shown in A129.6.3.C. AccuPulse service Network calls will be billed for each increment of usage or portion thereof.
2. Usage will be billed to the originating end of the AccuPulse service network call. IntraLATA toll charges, if applicable, will apply in addition to the AccuPulse service charges.
3. AccuPulse service requires the use of customer premises equipment which is compatible with Company facilities.
4. Touch-Tone signaling is required for each AccuPulse service Access Line.
5. AccuPulse service Access Lines may be grouped similarly to individual business lines. If Grouping Service is desired, Flat Rate Grouping Service Charges would apply as stated in Section A3. (T)
6. Other charges applicable to individual business lines may apply for AccuPulse service Access Lines as outlined in federal or state tariffs *or guidebooks*. (T)
7. Certain Optional Features are available at the rates provided in the applicable sections of the **Guidebook** for these features, subject to the availability of appropriate network facilities and the compatibility of the features with AccuPulse service. (T)
8. Digital information transmission rates of less than 56 kbps may be accomplished as a function of the particular customer premises equipment connected to an AccuPulse service Access Line.
9. Customer premises equipment associated with AccuPulse service is subject to the limitations specified in the Bell Communications Research, Inc. Technical Reference, "DATAPATH Network Access Interface Specifications," TR-EOP-000277, until such time as the FCC adapts registration rules for the service under Part 68 of their Rules and Regulations. This Technical Reference is available from:

BCR Documentation Center  
60 New England Avenue  
Room DSC 1A218  
Piscataway, New Jersey 08854



**A129. OBSOLETE SERVICE OFFERING - DATA TRANSPORT SERVICE**

**A129.6 AccuPulse Service (Cont'd)**

**A129.6.3 Rates and Charges**

A. These rates and charges are applicable in addition to the rates and charges for other services and features

1. AccuPulse service Arrangement

	<b>Nonrecurring Charge <sup>2</sup></b>	<b>Monthly Rate <sup>2</sup></b>	<b>USOC</b>
(a) Per line within AccuPulse service Normal Serving Area	<b>\$ 352.80</b>	<b>\$ 54.00</b>	<b>SDH1A</b>

2. AccuPulse service Access Lines

(a) Each, AccuPulse service Access Line	<b>648.00</b>	<b>36.00</b>	<b>DHK1M</b>
(b) Each, AccuPulse service Remote Access Line (use instead of (a) preceding when AccuPulse service Remote Capability is purchased)	<b>648.00</b>	<b>36.00</b>	<b>FDKXE</b>

3. Touch-Tone Service <sup>1</sup>

(a) Per line	-	-	<b>TTB</b>
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B. Optional Features Charges

Optional features may be provided at the same rates provided for non-AccuPulse service equipped Network Access Lines subject to compatibility restrictions. A list of optional features will be provided upon request.

C. AccuPulse Service Network Call Usage Charges

The following charges apply whenever an AccuPulse service Network Call is established.

1. AccuPulse Service Network Call

	<b>Rate</b>	<b>USOC</b>
(a) Initial one minute or fraction thereof, per call	<b>\$.12</b>	<b>NA</b>
(b) Additional minute increment or fraction thereof	<b>.10</b>	<b>NA</b>

2. Applicable rate discount periods are the same as for Message toll Service as found in Section A18. Following are the discount percentages applicable to the AccuPulse service Network Call. (T)

(a) Evening discount	<b>35%</b>	<b>NA</b>
(b) Night discount	<b>60%</b>	<b>NA</b>

3. When messages span more than one rate period, total charges for the minutes in each rate period are summarized. The results for each rate period are totaled to obtain the total message charge.

D. AccuPulse Service Remote Capability Charge

When a customer who is served by an office other than an AccuPulse service Serving Central Office and who is within the AccuPulse service Normal Serving Area of that office orders AccuPulse service, the following charges apply in addition to those in A129.6.3.A. These charges apply to each line that is extended.

1. AccuPulse Service Remote Capability, Interoffice <sup>1</sup> Channel Charge (per line)

	<b>Nonrecurring Charge</b>	<b>Monthly Rate</b>	<b>USOC</b>
(a) First mile	<b>\$ 136.80</b>	<b>\$ 72.00</b>	<b>1LNSX</b>
(b) Each additional mile or fraction thereof	-	<b>2.88</b>	<b>1LNSG</b>

E. Service Charges

All service connection charges for AccuPulse service Arrangement, AccuPulse service Access Line and AccuPulse service Remote Capability are included in their respective nonrecurring charges preceding. Service connection charges from Section A4. are not applicable. (T)

**Note 1:** Touch-Tone charges in Section A13. for an individual business line are applicable. (T)