
ARRANGEMENTS FOR DATA TRANSMISSION

1. GENERAL

- 1.01 The Company provides the following arrangements for the transmission and reception of data and text material between service points in the same or different Exchanges.

For the purpose of this section, a service point relates to a demarcation point, at a customer's premise, at a mutually agreed point which is eight inches from the closest non-competitive cable terminal or at the first logical point of entry on the customer's premise.

- (a) Channels for data transmission - see Sub-section 2.

2. CHANNELS FOR DATA TRANSMISSION

2.01 General

- (a) The Company leases channels for data transmission within one Exchange or between two or more Exchanges. The lessee may connect equipment he provides or he may lease it from the Company.
- (b) The conditions specified in N890-1 apply to these channels.

- 2.02 Transmission may be in one direction or it may be simultaneous or alternate in both direction.

- 2.03 Regular direct current or ringing current is provided without additional charge if facilities are available.

- 2.04 Channels are leased under schedules as stated in N890.

- 2.05 Channel distance measurement and rates are as follows:

- (a) Local channel between service points on different properties.
- (1) All schedules - see N260-3.03.
- (b) Interexchange channel - See N690

ARRANGEMENTS FOR DATA TRANSMISSION2. CHANNELS FOR DATA TRANSMISSION (Cont'd)

2.06 Channel Rentals are as follows:

- (a) Local channel between service points on different properties.
 - (1) Schedules 1, 2, 3 and 3A - see N260-3.03(a).
 - (2) Schedule 4 - see N260-3.03(a).
- (b) Local channel between service points in one building
 - (1) All schedules - see N260-3.03(b).
- (c) Interexchange channel C
 - (1) Schedules 1, 2, 3 and 3A - see N690-3.01
 - (2) Schedule 4 - see N690-3.01.
- (d) Local channel with an interexchange channel C
 - (1) Schedules 1, 2, 3 and 3A - see N690-3.05(b).
 - (2) Schedule 4 - see N690-3.05(a).

2.07 Multi-element service charges apply for each termination of a data channel.

2.08 Channel-conditioning arrangements are furnished for Schedule 4 channels provided between Exchanges at the following rates and charges. C

	<u>MRC</u>	<u>SC</u>	<u>USOC</u>	
First station in an Exchange				
On a two-point channel not arranged				
for switching				
Type 4A	\$17.90	\$50.60	4NS	C

2.09 Alternate-use Arrangements

- (a) A Schedule 4 data channel may be used alternately as a voice-grade channel of a different type; i.e.: an intercommunicating channel or a Class C signal channel.
- (b) A Schedule 4 data channel may be used alternately as a teletype-grade channel.
- (c) A Schedule 1, 2, 3 or 3A data channel may be used alternately as a teletype-grade channel of a different type with the same or a narrower band-width; i.e.: a Class B signal channel, a Schedule 1, 2 or 3 data channel or a teletype channel (except one that is provided 4 hours a day, 5 days a week).
- (d) For the monthly rates and service charges see item N890 1.10.

ARRANGEMENTS FOR DATA TRANSMISSION2. CHANNELS FOR DATA TRANSMISSION (Cont'd)

2.10 Channel-Deriving Arrangements

(a) A channel-deriving arrangement enables a customer to a data channel to obtain from it two or more data channels or a narrower band-width. The arrangement may be provided by the Company or by the customer.

(b) Channel-deriving arrangements furnished by the Company:

- (1) Low-speed Multiplex Arrangement No. 1 furnishes a customer to a Schedule 4 data channel, that is conditioned as required, with derived channels as stated below. Derived channels may be furnished with a mixture of speeds. In this case, the maximum number of derived channels is that for the derived channel, included in the mixture, with the highest speed.

<u>Signalling Speed</u> <u>of Derived Channel</u>	Maximum Number or Derived Channels with Speeds as follows:	
	<u>Bits a Second</u>	<u>Bits a Second</u>
	2400	4800
110 bauds	25	52
134.5 bauds	19	38
150 bauds	16	34
300 bauds	8	16
600 bauds	4	8

A. The derived channels may be connected to other channels, channels or services provided by the Company that can be used for the transmission of data. Monthly rates and charges for the appropriate Data-Phone modems, modems or station arrangements apply in addition.

- (2) Low-speed Multiplex Arrangement No. 2 (Data FX) furnishes a customer with a Schedule 4 interexchange data channel that is equipped for duplex operation with derived channels as stated below. The derived channel may be furnished with a mixture of speeds not to exceed the total capacity of the data channel.

<u>Signalling Speed</u> <u>of Derived Channel</u>	<u>Maximum Number of</u> <u>Derived Channels</u>
82.5 bauds	16
110 bauds	12
150 bauds	8
300 bauds	4

ARRANGEMENTS FOR DATA TRANSMISSION

2. CHANNELS FOR DATA TRANSMISSION (Cont'd)**2.10 Channel-Deriving Arrangements (Cont'd)**

(c) Channel-deriving arrangements furnished by the customer.

- (1) These arrangements may be associated with either a Schedule 4 data channel or a voice-grade channel arranged for alternate use as a Schedule 4 data channel.
- (2) The connection of equipment is permitted subject to the following conditions in addition to those specified in N890.
 - a. Connection to the Exchange service of the Company is provided under the terms of an agreement with the customer that includes the requirements of the Company.
 - b. The equipment will not be used to connect customer-provided concentration or switching systems.

(d) Rates and Charges

(1) Channel Charges

The monthly rates, rentals or charges are those for a two-point data channel that is equipped for duplex operations.

(2) Terminal Charges

- a. For Low-Speed Multiplex Arrangement No. 1 charges for Company-provided modems and multiplex terminals as required, apply.
- b. For Low-speed Multiplex Arrangement No. 2 (Data FX), rates and charges are in addition to other rates and charges as appropriate.
- c. When the Company provides a Schedule 1, 2, 3 or 3A data channel station arrangement charge applies as specified in N690-3.06.

ARRANGEMENTS FOR DATA TRANSMISSION

3. INTERNET SERVICE PROVIDER (ISP) LINK SERVICE**3.01 General**

- a) ISP Link Service provides an integrated access arrangement, using Digital Exchange Access (DEA) (Item N900 Section 5.) to connect incoming data calls from modems and Switched 56 KBPS services to an Internet Service Provider's equipment. ISP Link Service may also be provided to customers with similar requirements.
- b) The Company determines the Exchanges where ISP Link Service will be provided. The service is provided at the Company's discretion within an Exchange, subject to the availability of suitable facilities. C
- c) With DEA, ISP Links connect incoming data calls from modems and Switched 56 services using up to five access telephone numbers and five trunk groups per DEA system group, as required. C
- d) Additional telephone numbers, if required, may be obtained based on the Company's Inward Dialing service, Item xxx.

3.02 Terms and Conditions

- a) The DEA services can only consist of ISP Links and cannot be used to provide other services. Exception: ISP Links are able to terminate 800/888 calls.
- b) ISP Links may not be used to terminate 900 or 976 calls.
- c) A customer may convert any number of Centrex III locals and/or Microlink Accesses to Megalink/DEA ISP Links, without incurring termination charges, provided that the total number of ISP Links acquired is equal to or greater than the number of locals converted, that the customer contract for at least the same number of Megalink/DEA accesses (on a DS-0 basis) as the number of locals converted and, the Megalink/DEA contract period is of equal or longer duration than the contract of the locals being converted.
- d) ISP Links may not be used for ordinary voice communication.

3.03 Rates and Charges

The rates and charges specified below apply in addition to those specified for DEA except as specified in a), b) and c) below.

ARRANGEMENTS FOR DATA TRANSMISSION

3. INTERNET SERVICE PROVIDER (ISP) LINK SERVICE CONT'D**3.03 Rates and Charges Cont'd**

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- a) Equivalent service and the Relay Service in N100 item 5.04 b) is included in the monthly rate for ISP Links.
- b) The rate specified for ISP Links applies in lieu of the rates specified for PSTN Connectivity's.
- c) Calling Line Identification is not available with ISP Link service.

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	<u>MRC</u>	<u>S/C</u>	<u>USOC</u>	
ISP Link each	\$22.13	\$25.00	ISPLK	(Note 1)

Note 1: Subject to a maximum \$575.00 service charge per customer request for the installation or physical move of any number of links at the same location for the same due date.