
INTERCONNECTIONS WITH COMMUNICATIONS EQUIPMENT
PROVIDED BY THE CUSTOMER

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(C) Indicates Change

INTERCONNECTIONS WITH COMMUNICATIONS EQUIPMENT
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A. GENERAL REGULATIONS

Customer-provided communications equipment may be used with the facilities furnished by the Company for telecommunications services as provided in this Tariff. In all such cases the customer-provided communications equipment will be constructed, maintained and operated as to work satisfactorily with the facilities of the Company.

Subscribers may not disconnect or remove or permit others to disconnect or remove any apparatus installed by the Company, except upon the written consent of the Company.

Where telecommunications service is available under this Tariff for use in connection with customer-provided communications equipment, the operating characteristics of such equipment or system shall be such as not to interfere with any of the services offered by the Company. Such use is subject to the further provisions that the customer-provided equipment or system does not endanger the safety of Company employees or the public; damage, require change in or alteration of, the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or facilities; impair the operation of the Company's service. Upon notice from the Company that the customer-provided equipment or system is causing or is likely to cause such hazard or interference, the customer shall make such change as shall be necessary to remove or prevent such hazard or interference. The customer shall be responsible for the payment of Company charges, as specified on Sheet 7 of this section, for visits by the Company to the Company to the customer's premises where the service difficulty or trouble report results from customer-provided equipment or system.

The Company shall not be responsible for the installation, operation or maintenance of any customer-provided communications equipment. Telecommunications service is not represented as adapted to the use of customer-provided equipment or systems and where such are connected to the Company facilities the responsibility for telecommunications service and to the maintenance and operation of such facilities in a manner proper for such telecommunications service: subject to this responsibility the Company shall not be responsible for (1) the through transmission of signals generated by the customer-provided equipment or systems or for the quality of, or defects in, such transmission, or (2) the reception of signals by customer-provided equipment or systems.

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A. GENERAL REGULATIONS (Cont'd)

The Company shall not be responsible to the customer or otherwise if changes in the criteria outlined herein or in any of the facilities, operations, or procedures of the Company render any customer-provided equipment or communications systems inoperable or otherwise affect its use or performance. Insofar as the Company has control of or notice of changes in the technical criteria, it will make a reasonable effort to notify a customer in advance.

The Company will not be responsible for any loss or damage, nor for any impairment or failure of the service, arising from or in connection with the use of facilities of customers not caused solely by the negligence of the Company.

Satisfactory performance of the telecommunications network requires continuing functional compatibility of the network control signals and the switching equipment involved. To assure such continuing compatibility, network control signaling in the furnishing of telecommunications service shall be performed by equipment furnished, installed and maintained by the Company.

Where any customer-provided equipment or system is used with telecommunications service in violation of any of the provisions in this Tariff, the Company will take such immediate action as necessary for the protection of its services, and will promptly notify the customer of the violation. The customer shall discontinue such use of the equipment or system or correct the violation and shall confirm in writing to the Company within 5 days, following the receipt of written notice from the Company, that such has ceased or that the violation has been corrected. Failure of the customer to discontinue such use or to correct the violation and to give the required written confirmation to the Company within the time stated above shall result in termination of the customer's service until such time as the customer complies with the provisions of this Tariff.

Customer-provided equipment which serve a location which the Company considers impractical to service because of hazard or inaccessibility may be connected with telecommunications service by means of connecting equipment furnished by the Company.

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A. GENERAL REGULATIONS (Cont'd)

The customer indemnifies and saves the Company harmless against claims for infringement of patents arising from combining such equipment or system with, or using it in connection with, facilities of the Company; and against all other claims arising out of any act or omission of the customer in connection with facilities provided by the Company. No equipment, apparatus, circuit or device not furnished by the Company shall be attached to or connected with the facilities furnished by the Company, except as provided in this Tariff. In case unauthorized attachments or connections are made, the Company shall have the right to remove or disconnect the same; or to suspend the service during the continuance of said attachments or connections; or to terminate the service.

Except as otherwise provided in this Tariff, nothing herein shall be construed to permit the use of a recording device, to interconnect any line or channel of the Company with any other communication line or channel of the Company or of any other person.

B. NETWORK PROTECTION CRITERIA

To protect the telecommunications network and the services furnished to the general public by the Company from harmful effects, the signal from the customer-provided communications equipment to the long distance message telecommunications network must comply with the following minimum network protection criteria:

1. Where the customer-provided communications equipment is connected with the message telecommunications service through a connecting arrangement and network control signaling unit furnished by the Company, the customer-provided communications equipment must comply with the following criteria:
 - a. To prevent excessive noise and crosstalk in the network, it is necessary that the power of the signal at the central office not exceed 12db below one milliwatt when averaged over any three second interval. To permit each customer, independent of distance from the central office, to supply signal power which approximates the 12db below one milliwatt limit at the central office, the power of the signal which may be applied by the customer-provided equipment to the Company interface located on the customer's premises will be specified for each customer's location, but in no case shall it exceed one milliwatt.

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B. NETWORK PROTECTION CRITERIA (Cont'd)

1. (Cont'd)

b. To protect other services it is necessary that the signal which is applied by the customer-provided equipment to the Company interface located on the customer's premises meets the following limits:

- (1) The power in the band from 3,995 Hertz to 4,005 Hertz shall be at least 18db below the power of the signal as specified in B.2.a.
- (2) The power in the band from 4,000 Hertz to 10,000 Hertz shall not exceed 16db below one milliwatt.
- (3) The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24db below one milliwatt.
- (4) The power in the band from 25,000 to 40,000 Hertz shall not exceed 36db below one milliwatt.
- (5) The power in the band above 40,000 Hertz shall not exceed 50db below one milliwatt.

c. To prevent the interruption or disconnection of a call, or interference with network control signaling, it is necessary that the signal applied by the customer-provided equipment to the Company interface located on the customer's premises at no change has energy solely in the 2450 to 2750 Hertz band, it must not exceed the power present at the same time in 800 to 2450 Hertz band.

2. Where the customer-provided communications equipment is connected with the message telecommunications service through customer-provided equipment which affects such connections externally to a Company network control signaling unit by means of a connection for transmitting and/or receiving the customer-provided communications equipment must comply with the following criteria:

a. To prevent excessive noise and crosstalk in the network it is necessary that the power of the signal which is applied by the customer-provided equipment to the network control signaling unit located on the customer's premises be limited so that the signal power at the output of the network control signaling unit (i.e., at the input of the Company line) does not exceed 9db below one milliwatt when averaged over any three second interval.

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B. NETWORK PROTECTION CRITERIA (Cont'd)

2. (Cont'd)

- b. To protect other services it is necessary that the signal which is applied by the customer-provided equipment to the network control signaling unit located on the customer's premises meet the following limits at the output of the network control signaling unit (i.e., at the input to the Company line):
 - (1) The power in the band from 3,995 Hertz to 4,005 Hertz shall be at least 18db below the power of the signal as specified above in B.2.a.
 - (2) The power in the band from 4,000 Hertz to 10,000 Hertz shall not exceed 16db below one milliwatt.
 - (3) The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24db below one milliwatt.
 - (4) The power in the band from 25,000 Hertz to 40,000 Hertz shall not exceed 36db below one milliwatt.
 - (5) The power in the band above 40,000 Hertz shall not exceed 50db below one milliwatt.
- c. To prevent the interruption or disconnection of a call, or interference with network control signaling, it is necessary that the signal applied by the customer-provided equipment to the network control signaling unit located on the customer's premises be limited so that the signal at the output of the network control signaling unit (i.e., at the input to the Company line) shall at no time have energy solely in the 2450 to 2750 Hertz band. If there is signal power at the output of the network control signaling unit in the 2450 to 2750 Hertz band, it must not exceed the power present at the same time in the 800 to 2450 Hertz band.

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C. CUSTOMER-PROVIDED COMMUNICATIONS SYSTEMS

1. Applicants

Customer-provided equipment may be connected, at a service point of the customer, on voice grade basis with telecommunications service furnished by the Company, either through a network control signaling unit and connecting arrangement or as set forth in C.2.

2. Customer-Provided Terminal Equipment:

As an alternative to the methods of interconnection specified in the preceding, customer-provided registered terminal equipment or registered protective circuitry may be connected to the telecommunications network in accordance with provision of this tariff and/or the Federal Communications Commission's registration program adopted in FCC Docket No. 19528 (Part 68) as are now in effect or may be in effect.

Direct Electrical Connection

a. The network protector shall be as set forth below:

(1) Systems and/or terminal equipment not requiring Protective Connecting Arrangements will be at the Company provided network interface device. (C)

(2) Systems and/or terminal equipment requiring Protective Connecting Arrangements:

(a) Access lines will be at the network protector.

b. The Company will not provide systems and/or terminal equipment or station wiring beyond the network protector.

c. When customer owned equipment no longer requires a Protective Connecting Arrangement in accordance with C.2. above, the monthly charge for such arrangement will no longer apply. The Protective Connecting Arrangement will be removed at the option of the Company.

(C) Indicates change

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C. CUSTOMER-PROVIDED COMMUNICATIONS SERVICE (Cont'd)

3. Maintenance of Service Due to the Connection of Customer-Provided Equipment and Other Facilities. These are payable in addition to applicable Service Charges.

The customer shall be responsible for the payment of the charges indicated below for visits by the Company to the customer's premises where a service difficulty or trouble report results from customer-provided equipment or facilities.

The customer shall also be responsible for the payment of the charges indicated below for work done by the Company to locate a service difficulty or trouble report.

Maintenance Service Charge - \$35.00 flat charge when locating trouble within a customer-owned instrument.

D. CUSTOMER PREMISES INSIDE WIRING

1. General

- a. Customer premises inside wire is defined as that wire, including connectors, blocks and jacks, within a customer's premises that extends between the termination of the Exchange Access Line and those standard jack locations within the customer's premises to which terminal equipment can be connected for access to the Exchange Access Line.
- b. Effective January 1, 1987, all residential and business customers are responsible for the installation of any customer premises inside wire. The customer may request the Company to provide such installation. Installations provided by the Company will be on a time and material basis and excluded from deregulated operations. The customer may elect to have someone else other than the Company, install his inside wire as long as it is in accordance with the installation regulations outlined below. (C)
- c. Effective January 1, 1987, all single and two-line residential and business customers are responsible for the maintenance of customer premises inside wiring including installation provided by the Company. (C)
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D. CUSTOMER PREMISES INSIDE WIRE (Cont'd)

(C)

2. Installation Regulations

- a. Customer premises inside wire must be installed in accordance with the technical standards and installation guidelines furnished to the Commission by the Company.
- b. Customer premises inside wire must be connected to residence and business Exchange access Line service at the network protector.
- c. The Company will make the technical standards and installation guidelines available to customers at the business office or other designated locations.
- d. The Company is not responsible for the connection of telephone instruments and standard jacks to customer premises inside wire.

3. Violations of Regulations

- a. Where any customer premises inside wire is used with telecommunications service in violation of any provision in this tariff, the Company will take such immediate action as necessary for the protection of its services, and will promptly notify the customer of the violations.
- b. In the event of such violation the customer shall discontinue use of the customer premises inside wire or correct the violation and notify the Company in writing that such violation has been corrected within 5 days after receipt of such notice.
- c. Failure of the customer to discontinue such use or to correct the violation will result in the suspension of the customer's service until such time as the customer complies with the provisions of this tariff.

(C)

(C) Indicates Change