CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS

A. General Provisions

1. General

   Terminal equipment and communications systems may be connected at the customer's premises to telecommunications services furnished by the Company where such connections are made in accordance with the provisions of this section of this Guidebook. Telecommunications services as used herein include Local Exchange Telephone Service and Long Distance Message Telecommunications Service (LDMTS) and Wide Area Telecommunications Service (WATS).

2. Responsibility of the Customer

   a. The customer shall be responsible for the installations, operation and maintenance of any customer-provided terminal equipment or communications system. No combinations of customer-provided terminal equipment or communications systems shall require change in or alteration of the services of the Company, cause electrical hazards to Company personnel, damage to Company equipment, malfunction of Company billing equipment, or degradation of service to persons other than the user of the subject terminal equipment or communications system, his calling or called party. Upon notice from the Company that terminal equipment or a communications system is causing such hazard, damage, malfunction or degradation of service, the customer shall make such changes as shall be necessary to remove or prevent such hazard, damage, malfunction or degradation of service.

   b. The customer shall be responsible for the payment of a Maintenance of Service Charge as provided for in ‘Service Charges - Connections, Moves and Changes’ in Part 3, Section 1, when a service difficulty or trouble report results from the use of customer-provided terminal equipment, communications system, or premises cable or wire.

   c. The customer who provides the Premises Wiring of Communications Systems subject to Part 68 of the Federal Communications Commission Rules and Regulations pursuant to section 68.215 of Chapter I of Title 47 of that code of Federal Regulations shall be responsible for the payment of an Institutional Program for Premises Wiring Charge as provided below for activities performed by Company employees at the customer's premises pursuant to subsections (f), (g) and/or (h) of said section 68.215, when the premises wiring in question has failed acceptance tests monitored by, or participated in by, the Company pursuant to section 68.215, and/or has been revealed to be not in conformance with the information provided in the related affidavit which was provided pursuant to section 68.215, and/or has resulted in a harm to the network.
A. General Provisions (cont’d)

2. Responsibility of the Customer (cont’d)
   
c. (cont’d)

   The Institutional Program for Premises Wiring Charge provided for above is comprised of the first, or a combination of both rate elements described below, as appropriate:

<table>
<thead>
<tr>
<th>USOC Charge</th>
<th>Nonrecurring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element 1 - for the first fifteen minutes, or fraction thereof, of total time spent by Company employees in related inspection or participation in acceptance tests and/or in related inspection of customer-provided premises wiring for Communications Systems subject to Part 68 of the Federal Communications Commission’s Rules and Regulations, and for administrative expenses including the visit to the customer’s premises</td>
<td>$53.50</td>
</tr>
<tr>
<td>EPC1E</td>
<td>$53.50</td>
</tr>
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</table>

   Element 2 - for each additional fifteen minutes, or major fraction thereof, of total time spent by Company employees in performing the related customer-premises activities described in Element 1 preceding.

   | EPCAE       | 11.50      |

3. Responsibility of the Company

   a. The Company shall not be responsible for the installation, operation or maintenance of any customer-provided terminal equipment or communications system. In addition to the provisions provided in paragraph H. of the ‘Rules and Regulations Applying to All Customers’ Contracts’ found in Part 2, Section 2, telecommunications services are not represented as adapted to the use of customer-provided terminal equipment or communications systems. Where terminal equipment or communications systems are used with telecommunications services, the responsibility of the Company shall be limited to the furnishing of service components suitable for telecommunications services and to the design, maintenance and operation of service components in a manner proper for such services. Subject to this responsibility the Company shall not be responsible for (1) the through transmission of signals generated by the terminal equipment or communications systems or for the quality of, or defects in, such transmission, or (2) the reception of signals by terminal equipment or communications systems, or (3) address signaling where such signaling is performed by signaling equipment.
CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont’d)

A. General Provisions (cont’d)

3. Responsibility of the Company (cont’d)

b. The Company will, at the customer's request, provide information concerning interface
parameters, including the number of ringers which may be connected to a particular
telephone line, needed to permit terminal equipment to operate in a manner compatible with
telecommunications services.

c. The Company may make changes in its telecommunications services, equipment, operations
or procedures, where such action is not inconsistent with Part 68 of the Federal
Communications Commission's Rules and Regulations. If such changes can be reasonably
expected to render any customer's terminal equipment or communications system
incompatible with telecommunications services, or require modification or alteration of such
terminal equipment or communications systems, or otherwise materially affect its use or
performance, the customer will be given adequate notice, in writing, to allow the customer an
opportunity to maintain uninterrupted service.

4. Recording of Two-Way Telephone Conversations

Telecommunications services are not represented as adapted to the recording of two-way
telephone conversations. However, voice recording equipment may be directly, acoustically or
inductively connected with telecommunications services, in accordance with A.4.c.2. and A.4.c.3.
following, subject to the following conditions:

a. A distinctive recorder tone that is repeated at intervals of approximately fifteen seconds is
required when recording equipment is in use and is connected with services of the Company,
or

All parties to the telephone conversation must give their prior consent to the recording of the
conversation, and the prior consent must be obtained in writing or be part of, and obtained at
the start of the recording, or

The recording party gives verbal notification in a clear, unambiguous manner at the beginning
of the call, and the notification is part of the recorded portion.
A. General Provisions (cont’d)

4. Recording of Two-Way Telephone Conversations (cont’d)

b. A broadcast licensee shall be exempt from the above recording requirements provided at least one of the following requirements is met:

1. the licensee informs each party to the call of its intent to broadcast the conversation: or
2. each party to the call is aware of the licensee’s intent to broadcast the call: or
3. such awareness of the licensee’s intent to broadcast the call may be reasonably imputed to the party.

c. The FCC has established the following exceptions to the foregoing requirements:

1. Recordings made of incoming calls to telephone numbers publicized for emergencies involving health or safety of life and property (e.g., emergency situations involving fire, health care, police, public utilities and emergency road service) and outgoing calls made in immediate response to such calls. Included in this exception are:

   (a) Recordings made at the United States Department of Defense Command Centers of emergency communications transmitted over the Department of Defense’s private line system when connected to telecommunications services.

   (b) Recordings made by the United States Nuclear Regulatory Commission of the Department of Energy with respect to the telephone systems located at its Operations Center.

2. Recordings of calls made for patently unlawful purposes, such as bomb threats, kidnap ransom requests and obscene telephone calls. Outgoing calls made in immediate response to such calls are also excepted. Included in this exception are:

   Recordings made by the United States Secret Service of the Department of the Treasury for recording of two-way telephone conversations which concern the safety and security of the person of the President of the United States, members of his immediate family, or the White House and its grounds.

3. Recordings of calls made by Federal, State or local law enforcement authorities, or federal intelligence authorities, acting under color of law.

d. The customer-provided voice recording equipment shall be so arranged that at the will of user it can be physically connected to and disconnected from the services of the Company or switched on and off.
CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont’d)

A. General Provisions (cont’d)

5. Violation of Regulations

When any terminal equipment or communications system is used with telecommunications services in violation of any of the provisions in this section of the Guidebook, the Company will take such immediate action as necessary for the protection of the telecommunications network and Company employees, and will promptly notify the customer of the violation. The customer shall discontinue such use of the terminal equipment or communications system or correct the violation and shall confirm in writing to the Company within 10 days, following the receipt of written notice from the Company, that such use 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 action to disconnect the service provided to the customer until such time as the customer complies with the provisions of this Guidebook.
B. Connections of Customer-Provided Communications Systems Not Subject to Part 68 of the Federal Communications Commission’s Rules and Regulations

1. Direct Electrical Connection

Customer-provided communications systems not subject to Part 68 of the Federal Communications Commission’s Rules and Regulations may be connected with telecommunications service on a direct electrical basis at the customer’s premises provided that:

a. The connection is made through:
   
   1. a connecting arrangement furnished by the Company, or
   
   2. registered or grandfathered terminal equipment, protective circuitry, or communications system subject to Part 68 of the Federal Communications Commission’s Rules and Regulations which, either singularly or in combination, assures that the requirements of Part 68 of the Federal Communications Commission’s Rules and Regulations are met at the demarcation part.

   In lieu of these requirements for total hardware protection, an optional, alternative method is available, as described in B.2 following, for the control of signal power only.

b. The connection is:

   1. through switching equipment, or
   
   2. to a customer-provided communications system not subject to Part 68 of the Federal Communications Commission’s Rules and Regulations that is arranged to promptly return the network service to an idle (on hook) state should the communications system fail. In addition, the customer must notify the Company when the communications system fails.

c. Minimum protection criteria set forth in Part 20, Section 2 are complied with when the connection is made through equipment or systems that are not registered.
CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont’d)

B. Connections of Customer-Provided Communications Systems Not Subject to Part 68 of the Federal Communications Commission’s Rules and Regulations (cont’d)

2. Institutional Procedure for Signal Power Control

   a. When customer-provided communications systems not subject to Part 68 of the Federal Communications Commission's Rules and Regulations are connected through, (a) a Company-provided connecting arrangement or, (b) registered or grandfathered terminal equipment, communications system or protective circuitry which assures that all of the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations are met at the telecommunications demarcation point, no further action is required. However, when a customer elects to connect such a communications system to the telecommunications network and the registered or grandfathered equipment, system or protective circuitry through which the connection is made does not provide protection for signal power control, the customer must comply with the following institutional procedures:

1. The customer-provided communications system must be installed, operated and maintained so that the signal power (within the frequency range of 200-4000 Hertz) at the telecommunications demarcation point continuously complies with Part 68 of the Federal Communications Commission's Rules and Regulations.

2. The operator(s)/maintainer(s) responsible for the establishment, maintenance and adjustment of the voice frequency signal power present at the telecommunications demarcation point must be trained to perform these functions by successfully completing one of the following:

   (a) a training course provided by the manufacturer of the equipment used to control voice frequency signal power; or

   (b) a training course provided by the customer or authorized representative, who has responsibility for the entire communications system, using training materials and instructions provided by the manufacturer of the equipment used to control the voice frequency signal power; or

   (c) an independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the equipment used to control the voice frequency signal power; or

   (d) in lieu of the preceding training requirements, the operator(s)/maintainer(s) is under the control of a supervisor trained in accordance with (a) through (c) preceding.

   Upon request the customer is required to provide the proper documentation to demonstrate compliance with the requirements in B.2.a preceding.
CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont’d)

B. Connections of Customer-Provided Communications Systems Not Subject to Part 68 of the Federal Communications Commission’s Rules and Regulations (cont’d)

2. Institutional Procedure for Signal Power Control (cont’d)

   a. (cont’d)

3. At least 10 days advance notice must be given to the Company in the form of a notarized affidavit before the initial connection of the communications system. A copy of the affidavit must also be maintained at the customer's premises. The affidavit must contain the following information:

   (a) The full name, business address, business telephone number and signature of the customer or authorized representative who has responsibility for the operation and maintenance of the communications system.

   (b) The line(s) which the communications system will be either connected to or arranged for connection to.

   (c) A statement that all operations associated with establishment, maintenance and adjustment of the signal power present at the telecommunications demarcation point will comply with Part 68 of the Federal Communications Commission's Rules and Regulations.

   (d) A statement describing how each operator/maintainer of the communications system will meet and continue to meet the training requirements for persons installing, adjusting or maintaining the communications system.

b. Extraordinary Procedures

1. The Company may invoke extraordinary procedures to protect the telecommunications network where one or more of the following conditions are present:

   (a) Information provided in the affidavit gives reason to believe that a violation of Part 68 of the Federal Communications Commission's Rules and Regulations or the Institutional Procedures set forth in B.2.a. preceding is likely.

   (b) Harm has occurred and there is reason to believe this harm was a result of operations performed under the Institutional Procedures set forth in B.2.a. preceding.
CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont’d)

B. Connections of Customer-Provided Communications Systems Not Subject to Part 68 of the Federal Communications Commission’s Rules and Regulations (cont’d)

2. Institutional Procedure for Signal Power Control (cont’d)

b. Extraordinary Procedures (cont’d)

2. The extraordinary procedures which can be invoked by the Company, include:

(a) Requiring the use of protective apparatus which either protects solely against signal power or which assures that all of the requirements of Part 68 of the Federal Communications Commission’s Rules and Regulations are met at the telecommunications demarcation point. This protective apparatus may be provided by either the Company or the customer.

(b) Disconnecting service

3. Premises work charges as outlined in ‘Service Charges - Connections, Moves and Changes’ in Part 3, Section 1 will apply if:

(a) It is necessary to send a Company employee to the premises where the connection is made because a condition set forth in B.2.b.1. preceding exists, and

(b) A failure to comply with Part 68 of the Federal Communications Commission’s Rules and Regulations or the Institutional Procedures for signal power control in B.2.a. preceding is disclosed.

C. Connections of Customer-Provided Terminal Equipment to Services Specifically Exempted from the Federal Communications Commission’s Registration Program

Customer-provided terminal equipment must comply with the minimum protection criteria set forth in Part 20, Section 2.
D. Connections of Certain Facilities of Power, Pipeline and Railroad Companies

1. General
   a. Except as otherwise provided in D.3. following telephone facilities of an electric power company, oil, oil products or natural gas pipeline company, or a railroad company provided primarily to communicate with points located along a right-of-way (including premises of such company anywhere in cities, towns or villages along the right-of-way) owned or controlled by such company may, in lieu of the provisions of Part 20, Section 2 and B. preceding, be connected with the telecommunications network at the demarcation point, for the following purposes:
      1. In cases of emergency involving safety of life or property;
      2. In cases of calls originated by railroad employees under circumstances indicating need for prompt action to secure or maintain the safety, continuity, or reliability of railroad service to the public, and related to the movement of passengers, mail, property, or equipment by railroad, or the repair, maintenance, or construction of railroad right-of-way, structures or equipment;
      3. In cases where the customer facilities serve locations where it is impracticable because of hazard or inaccessibility for the Company to furnish its facilities; and
      4. During an interim period in cases where the customer has arranged for replacement of said customer facilities with facilities of the Company.

      Customer facilities referred to in D.1.a.3 and D.1.a.4 preceding do not include mobile radiotelephone facilities.

   b. Telephone circuits of such companies will be connected to an exchange access line to form a through connection only through manual switching equipment, or an attendant's position of dial PBX equipment. Such equipment or position may be located at either or both ends of the customer's circuit.

   c. Connections of a telephone circuit of such companies as specified in D.1.a.2, a.3 or a.4 preceding may be established at either end of such circuit, but shall not be established at both ends simultaneously.

   /1/ The Company will extend the same exemptions to those customers who were provided this service arrangement in accordance with its Local Exchange Tariff prior to January 1, 1984. However, the connections must continue to involve the same switching or connecting equipment. If the equipment is moved to another premises and reconnected, connections of communications systems must then be made in accordance with Part 20, Section 2 (Grandfathered Connections). New installations of terminal equipment and communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations connected to channel services must meet the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations.
D. Connections of Certain Facilities of Power, Pipeline and Railroad Companies

2. Facilities of the Company, when connected with facilities of the customer, will not be used for communications of other than the customer, except that such facilities may be used for the communications of, and be connected with facilities furnished by the Company, to other companies which:

a. Are operated with the customer as parts of an integrated electric power, oil, oil products, or natural gas system or railroad system under direct or common ownership or control.

b. Own or operate electric power or pipeline or railroad system jointly with the customer.

c. Own or operate electric power or pipeline or railroad facilities interconnected with those of the customer.

Company facilities when so connected may be used for exchange or Long Distance Message Telecommunications Service communications of other companies specified in D.2.a, D.2.b or D.2.c preceding, including calls originated by employees of such companies, only under the circumstances set forth in D.1.a.1 and D.1.a.2 preceding.

3. Terminal equipment and communications systems connected to the telecommunications network in accordance with D.1 and D.2 preceding prior to January 1, 1980 may remain connected and be moved and reconnected for the life of the equipment without registration unless subsequently modified. New installations of terminal equipment and communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations must be connected to the telecommunications network in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations.

/1/ The Company will extend the same exemptions to those customers who were provided this service arrangement in accordance with its Local Exchange Tariff prior to January 1, 1984. However, the connections must continue to involve the same switching or connecting equipment. If the equipment is moved to another premises and reconnected, connections of communications systems must then be made in accordance with Part 20, Section 2 (Grandfathered Connections). New installations of terminal equipment and communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations connected to channel services must meet the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations.
E. Connections of Facilities Furnished by the Customer Which Involve Hazardous or Inaccessible Locations

1. Except as otherwise provided in E.2. following, facilities furnished by the customer which involve hazardous or inaccessible locations, may be connected to the telecommunications network.

2. Terminal equipment and communications systems connected to the telecommunications network in accordance with E.1 preceding prior to January 1, 1980, may remain connected and be moved and reconnected for the life of the equipment without registration unless subsequently modified. New installations of terminal equipment and communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations must be connected to the telecommunications network in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations.
CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont’d)

F. Connections of Other Carrier-Provided Communications Systems

The connection of services furnished by the Company with services of other carriers shall be in accordance with the rules and regulations found in the Access Service Tariff (or the Access and Related Interconnection Services Guidebook) and other sections of this Guidebook.

G. Connections of Customer-Provided Test Equipment

1. Totally Protective Connections

Customer-provided test equipment may be connected to the telecommunications network at the premises of the customer through registered or grandfathered terminal equipment, protective circuitry, or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations which, either singularly or in combination, assures that all of the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations (total protection) are met at the telecommunications demarcation point.

2. Customer-Provided Test Equipment

Customer-provided test equipment may also be connected at the premises of the customer either (a) directly at the telecommunications demarcation point, or (b) through terminal equipment, protective circuitry, or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations.

Registration is required for test equipment capable of functioning as portable traffic recorded or equipment capable of transmitting or receiving test tones. Registration is not required for devices solely for network installation and maintenance activities such as hand-held data terminals, linesmen's handsets and subscriber line diagnostic devices.

a. The customer-provided test equipment is limited to transmission signal power generating and/or detection devices, or similar devices, utilized by the customer for the detection and/or isolation of a communications service fault.

b. The customer-provided test equipment is of a type that was lawfully directly connected to the telecommunications network as of March 6, 1981. Such test equipment may remain connected, be moved or reconnected during the life of the test equipment unless it has been subsequently modified.

c. Direct connections of customer-provided test equipment are made through Company-provided jacks or as otherwise authorized by the Company.
CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont’d)

G. Connections of Customer-Provided Test Equipment (cont’d)

2. Customer-Provided Test Equipment (cont’d)
   
   d. Customer-provided test equipment must be operated in accordance with the Institutional Procedures for Signal Power Control as specified in G.3 following.

   e. The customer notifies the Company of each telecommunications network service at each premises to which the customer-provided test equipment will be connected in advance of the initial connection. The customer must also notify the Company when such test equipment is permanently disconnected at each premises.

   f. No customer-provided test equipment or combination of test equipment with terminal equipment, protective circuitry or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations (including but not limited to wiring) may cause electrical hazards to Company personnel, malfunction of Company billing equipment, or degradation of service to persons other than the user of the subject test equipment or the user's calling or called party.

3. Institutional Procedures for Signal Power Control

   a. In accordance with G.2.d preceding, the customer must comply with the following Institutional Procedures:

   1. The customer must install, operate and maintain the test equipment so that its signal power at the telecommunications demarcation point complies with Subpart D of Part 68 of the Federal Communications Commission's Rules and Regulations.

   2. The operator(s)/maintainer(s) responsible for the test equipment signal power present at the telecommunications demarcation point must be trained to perform these functions by successfully completing one of the following:

      (a) A training course provided by the manufacturer of the test equipment, or

      (b) A training course provided by the customer, or authorized representative of the customer, using training materials and instructions provided by the manufacturer of the test equipment, or

      (c) An independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the test equipment, or

      (d) In lieu of the preceding training requirements, the operator(s)/maintainer(s) is under the control of a supervisor trained in accordance with 2.(a) through 2.(c) preceding.

   Upon request, the customer is required to provide proper documentation to demonstrate compliance with the requirements in Part 68 of the Federal Communications Commission's Rules and Regulations.
G. Connections of Customer-Provided Test Equipment (cont’d)

3. Institutional Procedures for Signal Power Control (cont’d)

a. (cont’d)

3. Advance notice must be given to the Company in the form of a notarized affidavit before the initial connection of the customer-provided test equipment at each premises after April 9, 1981. A copy of the affidavit must also be maintained at the customer's premises. The affidavit must contain the following information:

   (a) The full name, business address, business telephone number and signature of the customer or authorized representative who has responsibility for the operation of the test equipment.

   (b) The line(s) to which the test equipment will be either connected to or arranged for connection to.

   (c) A statement that all operations associated with the establishment, maintenance and adjustment of the test equipment signal power present at the telecommunications demarcation point will comply with Subpart D of Part 68 of the Federal Communications Commission's Rules and Regulations.

   (d) A statement describing how each operator of the test equipment will meet and continue to meet the training requirements for persons installing, connecting, adjusting or maintaining the test equipment.
G. Connections of Customer-Provided Test Equipment (cont’d)

3. Institutional Procedures for Signal Power Control (cont’d)

b. Extraordinary Procedures

1. The Company may invoke extraordinary procedures to protect the telecommunications network where one or more of the following conditions are present:

   (a) Information provided in the affidavit gives reason to believe that a violation of Part 68 of the Federal Communications Commission's Rules and Regulations or the Institutional Procedures set forth in G.3.a. preceding is likely.

   (b) Harm has occurred and there is reason to believe this harm was a result of operations performed under the Institutional Procedures set forth in G.3.a. preceding.

2. The extraordinary procedures, which can be invoked by the Company, include:

   (a) Requiring the use of protective apparatus which either protects solely against excessive signal power or which ensures that all of the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations are met at the telecommunications demarcation point.

   (b) Disconnecting service.

3. Premises Network Charges as outlined in ‘Service Charges - Connections, Moves and Changes’ in Part 3, Section 1 will apply when:

   (a) It is necessary to send a repair person to the premises where the test equipment is connected because a condition as set forth in A. preceding exists, and

   (b) A failure to comply with the Institutional Procedures for signal power control is disclosed.