

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. Telecommunications services, as used herein, include exchange service, 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 installation, operation, and maintenance of any terminal equipment or communications system. No combinations of terminal equipment or communications systems shall require change in or alteration of the equipment or 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 who provides the Premises Wiring of Communications Systems subject to Part 68 of the Federal Communications Commissions 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 following 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.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

A. General Provisions (cont'd)

2. Responsibility of Customer (cont'd)

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

- a. Element 1 - for the first fifteen minutes, or fraction thereof, of total time spent by Company employees in related monitoring 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.

/USOC/ EPC1E. \$32.00

- b. 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 .

/USOC/ EPCAЕ. \$16.00

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

A. General Provisions (cont'd)

3. Responsibility of the Company (cont'd)
 - a. The Company shall not be responsible for the installation, operation or maintenance of any terminal equipment or communications system. In addition to the provisions of Part 2, Section 2, of this Guidebook, telecommunications services are not represented as adapted to the use of 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.
 - 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.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

A. General Provisions (cont'd)

4. Recording of Two-Way Telephone Conversations
 - a. 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 B., following or Part 20, Section 2 (Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems), subject to the following conditions:
 1. When recording equipment is connected with services of the Company, a distinctive recorder tone that is repeated at intervals of approximately fifteen seconds is required; or
 2. All parties to the telephone conversation must give their prior consent to the recording of the conversation. This prior consent must be obtained in writing, or be part of and obtained at the start of the recording; or
 3. The recording party gives verbal notification in a clear, unambiguous manner, which is recorded at the beginning and as part of the call.
 - 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
 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.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

A. General Provisions (cont'd)

4. Recording of Two-Way Telephone Conversations (cont'd)
 - c. The FCC has established the following exceptions to the preceding 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 (e.g., such as bomb threats, kidnap ransom requests and obscene telephone calls) and outgoing calls made in immediate response to such calls. 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.
 4. The voice recording equipment shall be so arranged that at the will of the 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, 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 suspension of the customer's service until such time as the customer complies with the provisions of this Guidebook.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

A. General Provisions (cont'd)

6. Local Exchange Access Line Charges

a. Application of Business Local Exchange Access Line Charges:

1. The PBX trunk or Hotel rate applies when local exchange service is used in providing access to communication systems having the capability of switching and/or connecting with the local exchange access lines on a pooled access basis (e.g., PBX, Multifunction Systems). Such determination of capability will be based upon the FCC Part 68 Registration Number assigned the communication system.^{/1/} Refer to the Part 4, Section 2, for applicable Local Exchange Rates.
2. The Multi-line rate applies when local exchange service is used in providing access to communication systems not having the capability of switching and/or connecting with the local exchange access lines on a pooled access basis, but do provide for facilitating pick-up of two or more business exchange lines. Such determination of capability will be based upon the FCC Part 68 Registration Number assigned the communication system.^{/1/} Refer to Part 4, Section 2, for applicable Local Exchange Rates.

/1/ For customers with service prior to July 5, 1985 who remain at their same location and who do not change their system configuration, the applicable rate will be (a) the trunk rate if the communication system connected to the local exchange access line(s) performs switching functions and/or connects on a pooled basis or (b) the multi-line rate if the communication system connected to the local exchange access line(s) does not perform switching functions and/or connects on a pooled basis.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

A. General Provisions (cont'd)

6. Local Exchange Access Line Charges (cont'd)
 - b. Application of Residence Local Exchange Access Line Charges:
 1. The PBX trunk rate applies when local exchange service is used in providing access to communication systems having the capability of switching and/or connecting with the local exchange access lines on a pooled access basis (e.g., PBX, Multifunction Systems). Such determination of capability will be based upon the FCC Part 68 Registration Number assigned the communication system.^{/1/} Refer to Part 4, Section 2, for applicable Local Exchange Rates.
 2. The individual line rate applies for use in providing access in all other cases. See Part 4, Section 2, for applicable Local Exchange Rates.
 7. Connections With Data Transmitting and Receiving Equipment That Process Data and/or Perform Calculations - Information Terminal Service^{/2/}
 - a. Information Terminal Service rates apply for use in providing access to Data transmitting and receiving equipment that process data and/or perform calculations. See Part 4, Section 2, for applicable Local Exchange rates.
 1. Examples of data transmitting and receiving equipment would include computers, associated buffering devices and/or concentrating devices with store and forward capabilities located on the same or different premises. Teletypewriter machines and similar input terminal devices are not within the provision of this service.
 2. Information Terminal Service working in conjunction with an appropriate modem is the communications line between the data transmitting and receiving equipment and the Company Serving Office. Information Terminal Service is a business exchange service and as such is assigned a telephone number and has incoming and outgoing call capabilities. When data transmitting and receiving equipment that process data and/or performs calculations is associated with residence exchange service, Information Terminal Service rates do not apply.^{/3/}

/1/ For customers with service prior to July 5, 1985 who remain at their same location and who do not change their system configuration, the applicable rate will be (a) the trunk rate if the communication system connected to the local exchange access line(s) performs switching functions and/or connects on a pooled basis or (b) the multi-line rate if the communication system connected to the local exchange access line(s) does not perform switching functions and/or connects on a pooled basis.

/2/ Material now appears in Part 4, Section 2.

/3/ When connected with a Communications Service Feature System (FPM), only the regular charges associated with trunks, stations and switching equipment apply.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

A. General Provisions (cont'd)

7. Connections With Data Transmitting and Receiving Equipment That Process Data and/or Perform Calculations - Information Terminal Service (cont'd)
 - a. Information Terminal Service rates apply for use in providing access to Data transmitting and receiving equipment that process data and/or perform calculations. See Part 4, Section 2, for applicable Local Exchange rates. (cont'd)
 3. Data transmitting and receiving equipment shall be connected through Information Terminal Service to the exchange network according to the regulations as described elsewhere in this Guidebook
 4. For channel charges on Information Terminal Service extending beyond the premises, see Part 4, Section 2, of this Guidebook. Urban mileage charges for circuits extending beyond the base rate area are found in Part 4, Section 1, of this Guidebook.
 - b. The individual line rate applies for use in providing access in all other cases. See Part 4, Section 2, for applicable local exchange rates.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)**B. Connections of Registered Equipment**

1. Registered Terminal Equipment, Registered Protective Circuitry and Registered Communications Systems;

Terminal equipment, protective circuitry, and communications systems that are registered may be directly connected at the customer's premises to the telecommunications network, subject to Part 68 of the Federal Communications Commission's Rules and Regulations, 4.1 preceding and the following:

- a. All combinations of registered equipment and associated non-registered terminal equipment (including but not limited to wiring) shall be installed, operated and maintained so that the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations are continually satisfied.

The Company may discontinue service or impose other remedies as provided for in Part 68 of the Federal Communications Commission's Rules and Regulations for failure to comply with these provisions.

- b. The customer shall notify the Company of each telecommunications network service to which registered equipment is to be connected in advance of such connection and shall notify the Company when such registered equipment is permanently disconnected. The customer shall provide the Company, upon request, the Registration Number and Ringer Equivalence Number for the registered equipment and the Universal Service Order Code (USOC) of the Company-provided standard jack required. The customer shall also provide when appropriate the off-premises station port signaling capability of the PBX system.
- c. The customer shall not connect registered equipment to a Company line if:
 1. the Ringer Equivalence of such equipment in combination with the total Ringer Equivalence of other equipment connected to the same line exceeds the allowable maximum of five or as otherwise determined by the Company, or
 2. the ringer type is not a ringer type designated by the Company as suitable for that particular line.
- d. Unless a specific waiver has been granted by the Federal Communications Commission or except as otherwise provided in e., following, all connections of registered equipment to services furnished by the Company shall be made through Company-provided standard jacks; or, in the case of registered communications systems, through standard jacks wired in other than a standard manner, when such nonstandard wiring of the jack is agreed to by the Company.
- e. The requirement for the use of standard jack as described in d., preceding, is waived for registered equipment which is located in hazardous or inaccessible locations.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

B. Connections of Registered Equipment (cont'd)

2. Premises Wiring Associated With Registered Communications Systems

The Company may invoke extraordinary procedures specified in Part 68 of the Federal Communications Commission's Rules and Regulations where one or more of the following conditions are present:

- a. Information provided in the supervisor's affidavit gives reason to believe that a violation of Part 68 of the Federal Communications Commission's Rules and Regulations is likely.
- b. A failure has occurred during Acceptance Testing for Imbalance.
- c. Harm has occurred, and there is reason to believe that this harm was a result of wiring operations performed under Part 68 of the Federal Communications Commission's Rules and Regulations.

In addition, the Company may monitor or participate in acceptance testing for imbalance, or may inspect other than Fully-Protected Premises Wiring installations as set forth in Part 68 of the Federal Communications Commission's Rules and Regulations.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

B. Connections of Registered Equipment (cont'd)

3. Connections Involving National Defense and Security

In certain cases Part 68 of the Federal Communications Commission's Rules and Regulations permit the connection of non-registered terminal equipment or communications systems to the telecommunications network, provided that the Secretary of Defense; the head of any other governmental department (having requisite Federal Communications Commission approval); or their authorized representative certifies in writing to the Company that:

- a. The connection is required in the interest of national defense and security;
- b. The equipment to be connected either complies with the technical requirements of Part 68 or will not cause harm to the telecommunications network or Company employees; and
- c. The work is supervised by an installation supervisor who meets the qualifications stated in Part 68.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

C. 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 services 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 network interface.

In lieu of these requirements for total hardware protection, an optional, alternative method is available, as described in 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.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

C. Connections of Customer-provided Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations (cont'd)

1. Direct Electrical Connection (Continued)

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

- c. Minimum protection criteria set forth in Part 20, Section 2 (Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems), are complied with when the connection is made through equipment or systems that are not registered.
- d. When the connection is to WATS service, the customer has a requirement to communicate over a WATS line to or from premises of that customer located in the same rate state as that for which the WATS initial period rate applies. Customer-provided communications systems not subject to Part 68 of the Federal Communications Commission's Rules and Regulations which are not connected through switching equipment must terminate only in that WATS rate state in terminal equipment or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

C. Connections of Customer-provided Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations (cont'd)

2. Institutional Procedures 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 network interface, 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 network interface 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 network interface 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 i. through iii., preceding.

Upon request the customer is required to provide the proper documentation to demonstrate compliance with the requirements in paragraph 2.a.2., preceding.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

C. Connections of Customer-provided Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations (cont'd)

2. Institutional Procedures for Signal Power Control (cont'd)
 - 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 network interface, 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: (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 customer-provided 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 network interface 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.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

C. Connections of Customer-provided Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations (cont'd)

2. 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 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 2. 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 signal power or which assures that all of the requirements of Part 68 are met at the telecommunications network interface. This protective apparatus may be provided by either the Company or the customer.
 - b. Disconnecting service.
 3. A charge equal to the Maintenance of Service charge as provided in this Guidebook will apply when:
 - a. It is necessary to send a Company employee to the premises where the connection is made because a condition set forth in C.2., 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 2.a., preceding is disclosed.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)**D. 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.

E. Connections of Certain Facilities of Power, Pipe Line and Railroad Companies^{/1}**1. General**

a. Except as otherwise provided in E.3., following, telephone facilities of an electric power company, an 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 (Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems), and C, preceding, be connected with the telecommunications network, for the following purposes stated in a.1. through a.4., following. Such connections will be made by means of switching or connecting equipment furnished by the Company.

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 rights-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;
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 a.3. and a.4., preceding, do not include mobile radiotelephone facilities.

- b. Telephone circuits of such companies will be connected to a local or toll central office line to form a through connection only through manual switching equipment, or an attendant's position of dial PBX equipment furnished to the customer by the Company. Such equipment or position may be located at either or both ends of the customer's circuit.
- c. Connection of a telephone circuit of such companies as specified in E.1. a.2., 3. or 4., preceding, may be established at either end of such circuit, but shall not be established at both ends simultaneously.

^{/1}/ Obsolete - Applicable to existing installations at existing locations for existing customers.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

E. Connections of Certain Facilities of Power, Pipe Line and Railroad Companies^{/1/} (cont'd)

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; or
 - 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 a., b. or c., preceding, including calls originated by employees of such companies, only under the circumstances set forth in E, 1. a., 1 and 2., preceding.

3. Terminal equipment and communications systems connected to the telecommunications network in accordance with A. and B. 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 B., preceding.

^{/1/} Obsolete - Applicable to existing installations at existing locations for existing customers.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

F. Connections of Certain Facilities OF THE U.S. Army, Navy and Air Force^{/1}

1. General
 - a. Except as otherwise provided in F.2., following, facilities of a telephone system of the U.S. Department of the Army, Navy or Air Force which serves an establishment operated and administered under the direction of the Department and commanded by authorities of such establishment, may, in lieu of the provisions C., preceding, and Part 20, Section 2 (Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems), be connected to the telecommunications network where the Secretary of the appropriate Department certifies in writing that reasons of military necessity require that the establishment be served by a telephone system of the Department. In addition, the facilities of a temporary telephone system of such Department located off a permanent establishment of the Department for maneuvers, mobilization tests or technical service tests will be so connected.
 - b. Except as otherwise provided in F.2., following, telephone facilities of the U.S. Department of the Army, Navy or Air Force, other than those described in F.1.a., preceding, may, in lieu of the provisions of C., preceding and Part 20, Section 2 (Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems), be connected by means of switching or connecting equipment furnished by the Company, to a PBX switchboard or other telephone switching or terminal equipment, for communication with stations and private line facilities associated with said switching or terminal equipment, where the Secretary of the appropriate Department or his authorized representative notifies the Company in writing that such connection is required for reasons of military necessity. Such Department telephone facilities will be connected to the telecommunications network only in cases of emergency involving safety of life or property, unless the aforesaid Department facilities are in locations where it is impracticable for the Company to furnish its facilities.
2. Terminal equipment and communications systems connected to the telecommunications network in accordance with 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 B., preceding.

/1/ Obsolete - Applicable to existing installations at existing locations for existing customers.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

G. Connections with Certain Facilities of Turnpikes and Highways

1. Telephone facilities of a state governmental agency provided primarily to communicate with fixed points or mobile units on or along a turnpike or highway operated, patrolled or maintained by said agency, will be connected with facilities furnished by the Company to the same agency or to a state governmental agency operating, patrolling or maintaining a connecting turnpike or highway, subject to the regulations and conditions stated in F.1. and 2., inclusive. Such connections will be made by means of switching or connecting equipment furnished by the Company.
2. Such telephone facilities will be connected to a private branch exchange switchboard or other telephone switching or terminal equipment of the Company, for communication with stations and private line facilities associated with said switching or terminal equipment; provided, however, that a private branch exchange switchboard furnished by the Company will not be connected with private telephone switching equipment located on the same general premises or in the same local service area.
3. Such telephone facilities will be connected with facilities of the Company for exchange or Long Distance Message Telecommunications Service only in cases of emergency involving safety of life or property.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

H. Connections of Service Station lines and Facilities Furnished by the Customer Which Involve Hazardous or Inaccessible Locations

1. Except as otherwise provided in H.2., following, service station lines, and 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 A., 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 B., preceding.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

I. Connections with Telephotograph Equipment Used by the Press, Law Enforcement Agencies, the Armed Forces, Civilian Defense Agencies and the United States Weather Bureau

1. Regulations

- a. Telephotograph equipment provided by the press may be connected to lines of the Company for use by the press for the transmission and reception of pictures and similar material for publication. Telephotograph equipment provided by law enforcement agencies may be connected to lines of the Company for use by law enforcement agencies for the transmission and reception of fingerprints, ballistic data, identification photographs and similar law enforcement material. Telephotograph equipment provided by the armed forces of the United States may be connected to lines of the Company for use by the armed forces of the United States for transmission and reception of information of military necessity essential for the national defense. Telephotograph equipment provided by civilian defense agencies may be connected to lines of the Company for use by civilian defense agencies for the transmission and reception of information essential for the discharge of their responsibilities in emergencies. Telephotograph equipment provided by the United States Weather Bureau may be connected to lines of the Company for use by the United States Weather Bureau for the transmission and reception of weather information.
- b. Customer telephotograph equipment may be connected by direct physical connection by means of protective connection equipment furnished by the Company. The connection of the telephotograph equipment may be made by the customer only to the terminals of the protective connection equipment, subject to the provisions of B., preceding, and Part 20, Section 2 (Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems, 2.a.1.).
- c. Portable protective equipment will be furnished, if desired, for use with portable telephotograph equipment of the customer.
- d. The telephotograph equipment may be used in connection with any class of business service, except coin box service, furnished to the press, law enforcement agencies, the armed forces, civilian defense agencies or the United States Weather Bureau or made available to them under a joint user agreement. Portable protective equipment may be used also at private branch exchange stations in guest rooms of hotels, subject to the consent of the hotel concerned

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)**I. Connections with Telephotograph Equipment Used by the Press, Law Enforcement Agencies, the Armed Forces, Civilian Defense Agencies and the United States Weather Bureau (cont'd)****2. Charges**

The following charges apply to the facilities provided and are in addition to other rates and charges applicable:

a. Monthly Rate

For protective connection equipment (including connection equipment, monitoring receiver, key and, for portable installations, cord for connection to telephone facilities) with terminals for the direct connection of the telephotograph equipment,
- per month^{1/} (667)(367)\$1.15

b. Installation Charge

1. Permanent installations, without jack equipment,
- each connection..... No Charge
(With jack equipment, same as 2.(b), following)

2. Portable Installations

(a) Where jack equipment is available, the provision of jacks to connect the portable protective connection equipment is subject to the charges and regulations shown in Part 3, Section 1, of this Guidebook.

(b) Where jack equipment is not available,

Each connectionBased on Cost
Minimum Charge \$4.00

3. Special charges based on cost are applied where special arrangements are furnished or unusual costs are incurred.

^{1/} Obsolete - Applicable to existing installations at existing locations for existing customers.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)**J. Connections with Electrocardiogram and Electroencephalogram Transmitting and Receiving Equipment Provided by Members of the Medical Profession and Hospitals to Company Facilities^{/1/}****1. Regulations****a. General**

Equipment provided by members of the medical profession and hospitals for the transmission and reception of electrocardiograms and electroencephalograms used in connection with medical diagnosis and treatment may be connected to lines of the Company.

b. Basis of Connection

1. Equipment for the transmission and reception of electrocardiograms and electroencephalograms hereinafter called customer's equipment may be connected to the facilities of the Company by means of protective equipment furnished by the Company for this purpose, subject to the provisions of Part 20, Section 2 (Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems).
2. The customer's equipment may be used in connection with any class of service, except coin box service, furnished to members of the medical profession and hospitals.
3. Portable protective equipment will be furnished, if desired, for use with portable equipment of the customer.

2. Charges

The following charges apply to the facilities provided and are in addition to other rates and charges applicable:

- a. For protective connection equipment (including connection equipment, monitoring receiver, key and, for portable installations, cord for connection to company facilities) with terminals for the direct connection of the customer's equipment, a charge of \$1.50 per month applies.
- b. The provision of jacks to connect the portable protective connection equipment is subject to the charges and regulations shown in Part 8, Section 8, of this Guidebook.
- c. Special charges based on cost are applied where special arrangements are furnished or unusual costs are incurred.

^{/1/} Obsolete - applicable to existing installations at existing locations.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)**K. U.S. Government Executive Departments and Agencies ^{/1/}**

Equipment of a Department or Agency of the executive Branch of the U.S. Government used for the purpose of disguising or concealing the contents or meaning of communications may be connected to Company facilities in lieu of such station equipment, subject to the regulations and conditions stated below:

1. The head of the Department or Agency whose equipment is to be connected, or his authorized representative, shall notify the Company in writing that such connection is necessary to safeguard official information which requires protection in the interests of national defense, or other confidential official information disclosure of which to unauthorized persons would be detrimental to the public interest.
2. The government equipment shall be so constructed, maintained and operated as to work satisfactorily with the facilities of the Company.
3. The connection shall be made by means of connecting equipment or arrangements furnished by the Company, subject to the provisions of Part 20, Section 2 (see Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems, 2.a.1.).
4. Effective January 1, 1980, new installations of or additions to terminal equipment and communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations, connected to the telecommunications network in accordance with K.1.,2.,and 3., preceding, must conform with Part 68 of the Federal Communications Commission's Rules and Regulations.

^{/1/} Obsolete - Applicable to existing installations at existing locations for existing customers.

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)**L. Connections of Customer-Provided Test Equipment^{/1/}****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 network interface.

2. Interim Program for Connections of Customer-Provided Test Equipment

Customer-provided test equipment may also be connected at the premises of the customer either (a) directly at the telecommunications network interface, or (b) through terminal equipment, protective circuitry, or communications systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations which does not provide protection for signal power control under the following Interim Program provided that:

- 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.
- d. Customer-provided test equipment must be operated in accordance with the Institutional Procedures for Signal Power Control as specified in L.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, damage to Company equipment, 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.

^{/1/} The Interim Program for the Connection of Customer-Provided Test Equipment, unless sooner cancelled or changed, will remain in effect until a permanent program is adopted by the Federal Communications Commission as a result of Part 68 Rulemaking in CC Docket No. 81-216, 85 F.C.C. 2d 868 (1981).

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

L. Connections of Customer-Provided Test Equipment^{/1/} (cont'd)

3. Institutional Procedures for Signal Power Control

- a. In accordance with 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 network interface 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 network interface 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 i. through iii., preceding.

Upon request, the customer is required to provide proper documentation to demonstrate compliance with the preceding requirements.

^{/1/} The Interim Program for the Connection of Customer-Provided Test Equipment, unless sooner cancelled or changed, will remain in effect until a permanent program is adopted by the Federal Communications Commission as a result of Part 68 Rulemaking in CC Docket No. 81-216, 85 F.C.C. 2d 868 (1981).

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

L. Connections of Customer-Provided Test Equipment^{/1/} (cont'd)

3. Institutional Procedures for Signal Power Control (cont'd)
 - a. In accordance with 2.d., preceding, the customer must comply with the following Institutional Procedures: (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 network interface 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.

^{/1/} The Interim Program for the Connection of Customer-Provided Test Equipment, unless sooner cancelled or changed, will remain in effect until a permanent program is adopted by the Federal Communications Commission as a result of Part 68 Rulemaking in CC Docket No. 81-216, 85 F.C.C. 2d 868 (1981).

CONNECTIONS OF TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (cont'd)

L. Connections of Customer-Provided Test Equipment^{/1/} (cont'd)

3. Institutional Procedures for Signal Power Control (cont'd)
 - b. Extraordinary Procedures
 1. The 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 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 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 assures that all of the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations are met at the telecommunications network interface.
 - (b) Disconnecting service.
 3. A charge equal to the Maintenance of Service Charge 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 3.b.1., preceding, exists, and
 - (b) A failure to comply with the Institutional Procedures for signal power control is disclosed.

^{/1/} The Interim Program for the Connection of Customer-Provided Test Equipment, unless sooner cancelled or changed, will remain in effect until a permanent program is adopted by the Federal Communications Commission as a result of Part 68 Rulemaking in CC Docket No. 81-216, 85 F.C.C. 2d 868 (1981).

EMBEDDED COMPLEX INSIDE WIRE**A. General Regulations**

1. Embedded Complex Inside Wire for purposes of this guidebook is that wire which was provided by the Company, associated with Company-provided Complex Systems and was leased in place prior to January 1, 1984. Such wire included associated connectors, jacks and miscellaneous materials located within a customer's premise and on the customer's side of the Company-provided Network Interface.^{/1/}
2. For purposes of this guidebook, Complex Systems are those systems in which two or more Exchange Access Lines terminate in or utilize switching equipment or some other type of telecommunications equipment other than standard non button or one-button telephones.
3. The Company does not offer to provide for the maintenance or rearrangement of Embedded Complex Inside Wire or for the installation, maintenance or rearrangement of any new or additional inside wire associated with complex systems.
4. This guidebook permits the use or purchase of the Company's Embedded Complex Inside Wire as specified in A.5 following.
5. Options
 - a. Embedded Complex Inside Wire may be purchased in accordance with applicable Company Practices.
 - b. The Owner of the premises Customer Provided Equipment (CPE) may place his own wire in which case the Company would remove/disable the Embedded Complex Inside Wire.
 - c. The Owner of the premises CPE may utilize the Company's Embedded Complex Inside Wire at rates as specified in this guidebook.
6. Responsibility of the Owner

All users of the Company's Embedded Complex Inside Wire, must notify the Company regarding the initial and subsequent installation of CPE which utilizes the Company's Embedded Complex Inside Wire. Also, all users must notify the Company upon complete disconnection of complex systems.

^{/1/} Excludes riser, buried and aerial cable.

EMBEDDED COMPLEX INSIDE WIRE (cont'd)**B. Rates**

The following rates apply per Exchange Access Line including trunks that terminate in Complex Systems:^{1,2/}

	<u>USOC</u>	<u>Monthly Rate</u> ^{3/}
Owner of CPE (per access line or trunk)	EETCP EVK++	\$5.60

^{1/} These rates do not apply to any location where the Embedded Complex Inside Wire has been purchased from the Company, or at locations where all of the Complex Inside Wire is customer provided.

USOC

Owner of CPE

EETCP, VWK++

^{2/} One Access Line Charge applies for each Plexar®-II/Plexar-Custom Access Line.

^{3/} This offering expires on December 31, 1991, or when the embedded wire is fully amortized.