CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS

Highlights of Rules for Residence Customers

The following is a brief outline of the highlights of the rules relating to the connection by residence customers of customer-owned telephones. The complete text of the provisions for these connections by residence customers (as well as by business customers) is contained in Paragraphs A.1. through A.12. following.

a. The customer is responsible for installation, maintenance and repair of his own telephones. If the telephone causes trouble to any telephone users except the customer and people who call the customer, it must be disconnected until the trouble is fixed.

b. If any rules relating to the connection of customer-owned telephones are not observed, telephone service may be suspended or, if necessary to prevent harm to persons or facilities, service may be immediately disconnected.

1. General Provisions

a. General
Terminal equipment* and communications systems provided by the customer 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 Paragraph A. Telecommunications services, as used herein, include exchange service, Long Distance Message Telecommunications Service (LDMTS) and Wide Area Telecommunications Service (WATS).

b. Responsibility of the Customer
(1) The customer shall be responsible for the installation, operation and maintenance of any Customer-provided terminal equipment or communications system or wiring not maintained by the Company. No combinations of Customer-provided terminal equipment or communications systems or wiring shall require change in or alteration of the equipment or services of the Company, (unless that change or alteration is specifically permitted under the provisions of Paragraph A.6. of this Section), cause electrical hazards to the Company personnel, damage to Company equipment, malfunction of the Company billing equipment, or degradation of service to persons other than the user of the subject terminal equipment or communications systems. Upon notice from the Company that a Customer-provided terminal equipment or communications system or wiring 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.

For Rates and Charges, see Section 18.12 of this Product Guide.

* Connections to Customer-owned Coin Operated Telephones are subject to Regulations set forth in Section 3 of Tariff P.S.C. No. 15. (C)

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

1. General Provisions (Cont'd)

b. Responsibility of the Customer (Cont'd)]

(D)

]

c. Responsibility of the Company

(1) The design, maintenance and operation of telecommunications services envision that communications will originate or terminate at a station of the associated telecommunications service. Connections of Customer-provided systems may be made to telecommunications services. However, telecommunications services are not represented as adapted to the use of Customer-provided terminal equipment or communications systems. Where Customer-provided 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 for 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 (i) the through transmission of signals generated by the Customer-provided terminal equipment or communications systems or for the quality of, or defects in, such transmission, or (ii) the reception of signals by Customer-provided terminal equipment or communications systems, or (iii) address signaling where such signaling is performed by Customer-provided signaling equipment.

(2) 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 Customer-provided terminal equipment to operate in a manner compatible with telecommunications services.

(3) 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 Customer-provided 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 CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

1. General Provisions (Cont'd)

c. Responsibility of the Company (Cont'd)

(4) When connections of telecommunications services are made to Customer-provided communications systems at a premises where the Customer does not originate or terminate communications, the Company may require that the telecommunications service be furnished from a Company Central Office different than the Central Office designated by the Company to serve that premises, if the Company does not have adequate facilities to provide service from that Central Office. Under such circumstances, Foreign Exchange Line Mileage Charges as specified in Part B, Section 5 of the Product Guide apply between the Central Office that would normally service the Customer's premises and the Central Office from which the service is actually provided.

d. Recording of Two-Way Telephone Conversations

Telecommunications services are not represented as adapted to the recording of two-way telephone conversations. However, Customer- provided voice recording equipment may be directly, acoustically or inductively connected with telecommunications services. When such connections are made, the Customer-provided voice recording equipment shall be so arranged that at the will of the user it can be activated or deactivated. In addition, one of the following conditions must apply:

(1) 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

(2) The recording party notifies the other party that it intends to record the conversation. This notification should be made at the beginning, and as part of, the recorded portion of any call, or

(3) A distinctive recorder tone, repeated at intervals of approximately fifteen seconds, is required to alert all parties when the recording equipment is in use. The distinctive recording tone can be provided as part of (a) the recording equipment, (b) Customer-provided registered or grandfathered protective circuitry, or (c) a grandfathered Company-provided connecting arrangement.

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.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

1. General Provisions (Cont'd)

d. Recording of Two-Way Telephone Conversations (Cont'd)

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

(1) Private line service which has no connection with the exchange or toll system of the Company, where recorder connector equipment may be used at the option of the subscriber.

(2) 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 at the United States Nuclear Regulatory Commission of the Department of Energy with respect to the telephone systems located at its Operational Center.

(3) 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:

(a) 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.

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

e. Violation of Provisions

When any Customer-provided terminal equipment or communications system is used with telecommunications services in violation of any of the provisions in this Paragraph A., the Company will take such immediate action, including disconnection of the service, 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 Product Guide.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)
1. General Provisions (Cont'd)

f. Definitions

The terms "Accessories", "Authorized Protective Connecting Module", "Certified Data Transmitting and/or Receiving Terminal Equipment", "Certified Protective Circuitry for PBX Systems", "Certified Voice Transmitting and/or Receiving Terminal Equipment", "Communications Systems", "Composite Data Service", "Composite Data Service Vendor", "Conformance Number", "Conforming Answering Device", "Connecting Arrangement", "Customer-Provided Terminal Equipment", "Direct Electrical Connection", "Interface", "Network Control Signaling", "Network Control Signaling Unit", and "Nonpowered Conferencing Equipment" used herein are defined in Part B, Section 14 of this Product Guide.

Equipment-to-Equipment Connection

The term "Equipment-to-Equipment Connection" as used in this Paragraph A denotes the connection of equipment, which by itself is unregisterable for direct use with the telecommunications network, but is registerable or usable with host terminal equipment or communications systems which in turn may be registered in accordance with Part 68 of the Federal Communication Commission's Rules and Regulations for direct connection to the telecommunications network.

Grandfathered Communications Systems

The term "Grandfathered Communications Systems" as used in this Paragraph A denotes Customer-provided communications systems (including their equipment and protective circuitry if any) connected at the customer's premisesand that are considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, such systems are connected to the telecommunications network prior to January 1, 1980 and are of a type of system which was directly connected (i.e. without Company provided connecting arrangements) to the telecommunications network as of June 1, 1978.

Grandfathered Connections of Communications Systems

The term "Grandfathered Connections of Communications Systems" as used in this Paragraph A denotes connections via Company provided connecting arrangements of customer-provided communications systems (including their equipment) at the customer's premises, and that are considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, such connections to the telecommunications network are made via Company provided connecting arrangements prior to January 1, 1980 and such connecting arrangements are of a type of connecting arrangement connected to the telecommunications network as of June 1, 1978.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

1. General Provisions (Cont'd)

f. Definitions (Cont'd

Grandfathered Terminal Equipment

The term "Grandfathered Terminal Equipment" as used in this Paragraph A denotes Customer-provided terminal equipment (including protective circuitry if any) connected at the Customer's premises, and that is considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, such terminal equipment was connected to the telecommunications network prior to July 1, 1979 and is of a type of terminal equipment which was directly connected (i.e. without Company provided connecting arrangements) to the telecommunications network as of October 17, 1977.

Grandfathered Connections of Terminal Equipment

The term "Grandfathered Connections of Terminal Equipment" as used in this Paragraph A denotes connections via Company provided connecting arrangements of Customer-provided terminal equipment connected at the Customer's premises, and that are considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, such connections to the telecommunications network were made via Company provided connecting arrangements prior to July 1, 1979 and such connecting arrangements are the same type of connecting arrangement connected to the telecommunications network as of October 17, 1977.

Registered Equipment

The term "Registered Equipment" as used in this Paragraph A denotes equipment which complies and has been approved within the Registration provisions of Part 68 of the Federal Communications Commission's Rules and Regulations.

g. Interpositioning of Customer-Provided Terminal Equipment and Communications Systems

(1) Interpositioned Customer premises equipment arrangements (i.e., arrangements of terminal equipment and communications systems) are those arrangements which require that Company-provided equipment gain access to the telecommunications network through Customer-provided equipment.

(2) Customer-provided equipment may be interpositioned at the Customer's premises either between the Company-provided equipment and the telecommunications network or between items of Company-provided equipment. Company-provided equipment will be furnished in an interpositioned configuration for use with telecommunications services in accordance with the following:

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)
1. General Provisions (Cont'd)
g. Interpositioning of Customer-Provided Terminal Equipment and Communications Systems (Cont'd)
(2) (Cont'd)

(a) Customer-provided equipment to be connected in an interpositioned configuration must meet the requirements of Part 68 of the Federal Communications Commission's Rules and Regulations.

(b) The connections between equipments of the interpositioned configuration must conform to recognized standard interfaces such as those specified by the Electronics Industries Association (EIA) or authorized by Part 68 of the Federal Communications Commission Rules and Regulations.

(c) The interpositioning must occur at the same premises* at which the associated telecommunications service is terminated.

(d) Any premises wiring must be provided in accordance with provisions of Part 68 of the Federal Communications Commission's Rules and Regulations.

(e) The Company reserves the right to determine whether or not any individual interpositioned configuration is technically feasible and compatible with Company-provided services and equipment; however, if such a configuration is provided:

(i) The Company makes no representation as to the quality of transmission over an interpositioned configuration. Maintenance responsibility for Company-provided equipment so connected is limited to assuring that the Company-provided equipment is functioning properly.
(ii) When interpositioned connections are made, it shall be the responsibility of the Customer to ensure the continuing compatibility of the Customer-provided equipment with Company-provided services and equipment.

h. PBX Trunk - Individual Line Option

Customers have the option of ordering either PBX trunk service or individual line service to be connected to a customer-provided communications system, regardless of how the system is registered with the FCC. The customer is responsible for determining the compatibility of his system with the type of service requested.

* The term "Same Premises" is defined in Section 14 of this Product Guide.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

2. Connections of Registered Equipment

a. Customer-Provided Registered Terminal Equipment, Registered Protective Circuitry and Registered Communications Systems

Customer-provided registered terminal equipment, registered protective circuitry, and registered communications systems 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, Paragraph A.1 preceding and the following:

(1) All combinations of registered equipment and associated non-registered terminal equipment 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.

(2) The Customer shall notify the Company of each line 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 the Registration Number and Ringer Equivalence Number for the registered equipment and the Universal Service Order Code (USOC) of the standard jack required. The customer shall also provide, when appropriate, the off-premises station port signaling capability of a PBX System.

(3) The Customer shall not connect registered equipment to a Company line if:

(a) 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

(b) the ringer type is not a ringer type designated by the Company as suitable for that particular line.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

2. Connections of Registered Equipment (Cont'd)

a. Customer-Provided Registered Terminal Equipment, Registered Protective Circuitry and Registered Communications Systems (Cont'd)

(4) Unless a specific waiver has been granted by the Federal Communications Commission or except as otherwise provided in Paragraph A.2.a.(5) following, all connections of registered equipment to services furnished by the Company shall be made through standard jacks; or, in the case of registered communications systems through a Standard Network Interface (SNI) or Network Interface (NI) as defined below; or through Data Interface Arrangement (DIA) as specified in Part A of the Product Guide; or through standard jacks wired in other than a standard manner, when non-standard wiring is agreed to by the Company.

(a) Registered communications systems connecting to the Company network utilizing a SNI or NI must comply with the following:
- One SNI or NI per line
- furnished at a location within the customer's premises
- accessible to the customer and the Company
- placed as close as practicable to the protector or equivalent point, where the Company's facilities enters the premises.

(b) The provisions and rates in Paragraphs D.2.b., c., d., e., f. and D.3. of this Section pertaining to SNIs and NIs also apply.

(5) The requirement for the use of standard jack as described in Paragraph A.2.a.(4) preceding is waived for registered equipment which is located in hazardous or inaccessible locations.

b. Premises Wiring Associated with Registered Communications Systems

(1) Premises Wiring is Wiring which connects separately-housed equipment entities or system components to one another, or wiring which connects an equipment entity or system component with the telephone network interface, located at the customer's premises and not within an equipment housing.

(a) Fully-Protected Premises Wiring is premises wiring which is:

(i) No greater than 25 feet in length (measured linearly between the points where it leaves equipment or connector housings) and registered as a component of and supplied to the user with the registered terminal equipment or protective circuitry with which it is to be used.

(ii) A cord which complies with Paragraph A.2.b.(1)(a) (i) preceding and which is extended once by a registered extension cord. Extension cords may not be used as a substitute for wiring which for safety reasons should be affixed to or embedded in a building's structure

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)
2. Connections of Registered Equipment (Cont'd)
b. Premises Wiring Associated with Registered Communications Systems (Cont'd)
(1) (Cont'd)
(a) (Cont'd)

(iii) Wiring located in an equipment room with restricted access, provided that this wiring remains exposed for inspection and is not concealed or embedded in the building's structure, and that it conforms to Part 68 of the Federal Communications Commission's Rules and Regulations.

(iv) Electrically behind registered equipment, system components or protective circuitry which assure that electrical contact between the wiring and commercial power wiring or earth ground will not result in hazardous voltages or excessive longitudinal imbalance at the telephone network interface.

(b) Protected Premises Wiring Requiring Acceptance Testing for Imbalance is premises wiring which is electrically behind registered equipment, system components or circuitry which assure that electrical contact between the wiring and commercial power wiring will not result in hazardous voltages at the telephone network interface.

(c) Unprotected Premises Wiring is all other premises wiring.

(2) Customers who intend to connect premises wiring other than fully protected premises wiring to the telephone network shall give advance notice to the Company in accordance with the procedures specified in Part 68 of the Federal Communications Commission's Rules and Regulations, or as otherwise authorized by the Federal Communications Commission.

(3) 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) 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 CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

2. Connections of Registered Equipment (Cont'd)

c. 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:

the connection is required in the interest of national defense and security;

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

the work is supervised by an installation supervisor who meets the qualifications stated in Part 68.

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (as defined in A.1.f. preceding)

a. Direct Connections

(1) Grandfathered Terminal Equipment

Grandfathered terminal equipment may remain directly connected and be moved and reconnected to the telecommunications network for the life of the equipment without registration and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations, subject to the following:

(a) the customer shall notify the Company when such grandfathered terminal equipment is to be connected and shall notify the Company when such grandfathered terminal equipment is to be permanently disconnected; such notification shall include a description of the equipment including the manufacturer's name, model number, and type of equipment;

(b) all such connections are made through standard jacks or are otherwise connected; and

(c) all such connections shall comply with the minimum protection criteria set forth in Paragraph 3.c. following.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

a. Direct Connections (Cont'd)

(2) Grandfathered Communications Systems

Grandfathered communications systems may remain directly connected and be moved and reconnected to the telecommunications network for the life of the equipment without registration and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations, subject to the following:

(a) the customer shall notify the Company when such communications systems are to be connected and shall notify the Company when such communications systems are to be permanently disconnected; such notification shall include a description of the equipment including the manufacturer's name, model number, and type of equipment;

(b) all such connections are made through standard jacks or are otherwise connected;

(c) all such connections shall comply with the minimum protection criteria set forth in Paragraph A.3.c of this Section following.

(d) premises wiring shall conform to Part 68 of the Federal Communications Commission's Rules and Regulations;

(e) no changes may be made to equipment so connected except by the manufacturer thereof, or a duly authorized agent of the manufacturer;

(f) additions to grandfathered communications systems may be made without registration of any additional equipment involved if:

(i) equipment so added is being reconnected, i.e., was previously directly connected prior to January 1, 1980; and

(ii) such additions comply with the provisions of Paragraphs A.3.a.(2)(a) through (e) preceding.

(g) additions of registered equipment to grandfathered communications systems are subject to Paragraph A.3. preceding.

(3) Customer-provided terminal equipment and Customer-provided communications systems connected to the telecommunications network via Customer-provided grandfathered protective circuitry are subject to the provisions of Paragraphs A.3.a.(1) preceding.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

b. Connections Through Connecting Arrangements Provided by the Company

(1) General

(a) Basis of Connection

(i) Grandfathered connections of terminal equipment and grandfathered connections of communications systems made in accordance with Paragraphs A.3.b.(2) and (3) of this Section respectively may remain connected and be moved and reconnected for the life of the equipment and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations. Connecting arrangements used for such moves and reconnections will continue to be provided by the Company subject to their availability, at the rates and charges specified in Part B of the Product Guide.

(ii) Until July 1, 1980, the Company provided connecting arrangements in accordance with the provisions of in Part B of the Product Guide for installations of new Customer-provided devices or system components connected at the Customer's premises to terminal equipment or communications systems provided by the Company (that is, equipment-to-equipment connections). Equipment-to-equipment connections made prior to July 1, 1980, may remain connected and be moved and reconnected for the life of such devices or system components (and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations), or for the life of the Company-provided terminal equipment or communications system. Connecting arrangements used for reconnection of such Customer-provided devices or system components will continue to be provided by the Company, subject to their availability, at the rates and charges specified in Part B, Section 18 of this Product Guide.

(iii) Customer-provided communications systems which are not subject to Part 68 of the Federal Communications Commission's Rules and Regulations may be connected in accordance with A.7 following. Company-provided connecting arrangements are furnished for the connection of such systems at the rates and charges specified in Part B, Section 18 of this Product Guide.

(iv) Separate, identifiable and discrete protective circuitry (i.e., connecting arrangements) used for grandfathered connections of communications systems to the telecommunications network may be removed or replaced with apparatus of lesser protective function, provided that any equipment, and any premises wiring whose classification is changed thereby, conforms to Part 68 of the Federal Communications Commission's Rules and Regulations.

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Continued)'

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

b. Connections Through Connecting Arrangements Provided by the Company (Cont'd)

(1) General (Cont'd)

(b) Network Control Signaling

Network control signaling shall be performed by equipment furnished, installed and maintained by the Company, except that:

(i) Signaling functions may be performed by Customer-provided Conforming Answering Devices specified in Paragraph A.3.e following and Certified equipment specified in Paragraph A.3.f following.

(2) Grandfathered Connections of Terminal Equipment

(a) Data Terminal Equipment

Subject to the provisions of Paragraph A.3.(b)(1) (a) (i) and (iv) preceding, Customer-provided data terminal equipment (including telephotograph equipment) may be connected at the Customer's premises to the telecommunications network through a network control signaling unit and a data access arrangement provided by the Company in accordance with the following: (T)

(i) The Customer shall furnish the equipment which performs the functions of:
/1/ conditioning the data signals generated by the Customer-provided terminal equipment to signals suitable for transmission by means of Company services, and
/2/ conditioning signals transmitted by means of Company services to data signals suitable for reception by Customer-provided equipment.

(ii) The Customer-provided data terminal equipment must comply with the minimum protection criteria specified in Paragraph A.3.c following.

(iii) Where a data access arrangement is furnished in connection with Customer-provided terminal equipment and such terminal equipment is used for both voice and data communication, the data access arrangement may be used to connect the Customer-provided terminal equipment for voice communication.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)
3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)
b. Connections Through Connecting Arrangements Provided by the Company (Cont'd)
(2) Grandfathered Connections of Terminal Equipment (Cont'd)

(b) Voice Terminal Equipment

Subject to the provisions of Paragraphs A.3.b.(1)(a)(i) and (iv) preceding, Customer-provided voice terminal equipment may be connected at the Customer's premises to the telecommunications network in accordance with the following: (T)

(i) The connection shall be made through a network control signaling unit and a connecting arrangement furnished by the Company. In accordance with Paragraphs A.3.d., e., and f. following, a connecting arrangement is not required for the connection of Attested Equipment, Conforming Answering Devices or Certified equipment.

(ii) Where a data access arrangement is furnished in connection with Customer-provided terminal equipment and such terminal equipment is used for both voice and data communication, the data access arrangement may be used to connect the Customer-provided terminal equipment for voice communication.

(iii) The Customer-provided voice terminal equipment must comply with the minimum protection criteria specified in Paragraph A.3.c. following.

(3) Grandfathered Connections of Communications Systems

Subject to the provisions of Paragraph A.3.b.(1)(a)(i) preceding, Customer-provided communications systems may be connected at the Customer's premises to telecommunications services in accordance with the following:

(a) The connection shall be through a network control signaling unit and connecting arrangement furnished by the Company.

(b) The provisions relating to minimum protection criteria set forth in Paragraph A.3.c. following shall apply to the connection of Customer-provided communications systems.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

c. Minimum Protection Criteria for Electrical Connections

(1) 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 insure that this limit is not exceeded 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 location but in no case shall it exceed one milliwatt.

(2) 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 meet the following limits:

(a) 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 Paragraph A.3.c.(1) above.
(b) The power in the band from 4,005 Hertz to 10,000 Hertz shall not exceed 16dB below one milliwatt.
(c) The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24dB below one milliwatt.
(d) The power in the band from 25,000 Hertz to 40,000 Hertz shall not exceed 36dB below one milliwatt.
(e) The power in the band above 40,000 Hertz shall not exceed 50dB below one milliwatt.

(3) To prevent the interruption of 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 time have energy solely in the 2450 to 2750 Hertz band. If signal power is 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.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

d. Attested Equipment Connected Prior to July 1, 1980

(1) Until July 1, 1980, Customer-provided headsets and non-powered conferencing equipment which meet the standards and procedures set forth by the Company in technical References for Attested Equipment were connected at the Customer's premises to the telecommunications network in accordance with Paragraphs A.3.d.(1)(a) through (e) following. Such equipment may remain connected and be moved and reconnected in accordance therewith for the life of the equipment unless subsequently modified.

(a) The connection shall be made through an interface termination (e.g., headset jack) provided by the Company.

(b) The Identification Number issued by the Company to the manufacturer or supplier must appear on each unit of Attested Equipment utilized.

(c) Customers must notify the Company of their intention to connect Attested Equipment. Such notification must include the Identification Number of the equipment and the location at which that equipment is to be used.

(d) Attested Equipment may not::

(i) be connected to a source of electrical power which is external to the telecommunications network;

(ii) be grounded;

(iii) perform any network control signaling functions prior to and including the establishment of the intended transmission path;

(iv) have amplification in the transmission path (other than single ended terminal devices with the maximum gain limited so that the output power meets the minimum protection criteria set forth in Paragraph A.3.c preceding); and

(v) use wiring external to such equipment that is permanently affixed at the site of the installation other than portable connections compatible with the interface terminations provided by the Company.

(e) Attested Equipment must comply with the minimum protection criteria set for in Paragraph A.3.c preceding.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

d. Attested Equipment Connected Prior to July 1, 1980 (Cont'd)

(2) In the event Attested Equipment bearing an Identification Number does not meet the requirements set forth by the Company in its Technical References, the Customer using such Attested Equipment shall either disconnect the equipment from the Company service or arrange for connection of the equipment in accordance with Paragraphs A.2 preceding or A.6 following, as appropriate.

e. Conforming Answering Devices Connected Prior to July 1, 1979

(1) Customer-provided Conforming Answering Devices which meet the standards and procedures set forth by the Company in Technical References for Conforming Answering Devices and which were connected at the Customer's premises to the telecommunications network prior to July 1, 1979, in accordance with Paragraphs A.3.(e)(1)(a) through (e) following, may remain connected and be moved and reconnected in accordance therewith for the life of the equipment, unless subsequently modified.

(a) Customers shall notify the Company of their intention to connect Conforming Answering Devices. Such notification shall include the location at which the Conforming Answering Device is to be used as well as its Conformance Number.

(b) The Conforming Answering Device shall only be connected by means of a jack or jack arrangement.

(c) The Conforming Answering Device shall be operated and maintained in accordance with those instructions furnished with such Conforming Answering Device as required by the Company's Technical Reference for Conforming Answering Devices.

(d) Conforming Answering Devices may not:
(i) be used to transmit or receive data signals;
(ii) (D)
(iii) be used to originate calls.

(e) The Conforming Answering Device shall comply with the minimum protection criteria set forth in Paragraph A.3.c. preceding.

(2) In the event that an answering device bearing a Conformance Number does not meet the requirements of the Company's Technical Reference for Conforming Answering Devices, the Customer using such answering device shall either disconnect the device from the Company service or arrange for connection of the device in accordance with Paragraph A.2 preceding.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

f. Certified Terminal Equipment and Certified Protective Circuitry Connected Prior to July 1, 1979

Certified Data Transmitting and/or Receiving Terminal Equipment, Certified Voice Transmitting and/or Receiving Terminal Equipment Certified Protective Circuitry for PBX Systems, as defined in Section 14 of this Product Guide, which were connected at the Customer's premises to the telecommunications network prior to July 1, 1979, in accordance with Paragraphs A.3.f.(1) through (5) following, may remain connected and be moved and reconnected in accordance therewith for the life of the equipment unless subsequently modified.

(1) The subscriber shall notify the Company of each line to which Certified Terminal Equipment or Certified Protective Circuitry for PBX Systems is to be connected in advance of such connection and shall notify the Company when such equipment is permanently disconnected. Such notification shall include the location at which the Certified Equipment or Circuitry is to be used. The subscriber shall provide the Company the Certification Number and Ringer Equivalence Number for the equipment. The subscriber shall not connect Certified Terminal Equipment or Protective Circuitry to a Company line if: (i) 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 for that line as determined by the Company, or (ii) the ringer type is not a ringer type designated by the Company as suited for that particular line.

(2) Certified Terminal Equipment shall only be connected by means of a standard jack.

(3) (D)

(4) Certified Terminal Equipment and Protective Circuitry shall comply with the minimum network protection criteria set forth in Paragraph A.3.c preceding.

(5) Certified Terminal Equipment and Protective Circuitry shall be operated and maintained in accordance with the New York Public Service Commission's orders in Cases 26635 and 26894.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

4. Acoustic or Inductive Connections

a. General

(1) Customer-provided voice or data terminal equipment (including telephotograph equipment) and Customer-provided communications systems may be acoustically or inductively connected at the Customer's premises to the telecommunications network provided the acoustic or inductive connection is made externally to the network control signaling unit when such unit is provided by the Company.

(2) Customer-provided tone-type address signaling is permitted through such connections, however, the services of the Company are not designed for such use and the Company makes no representation as to the reliability of address signaling which is performed in such manner.

b. Minimum Protection Criteria

(1) To prevent excessive noise and cross talk 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 to the Company line) does not exceed 9dB below one milliwatt when averaged over any three second interval. However, to permit each Customer, independent of distance from the central office, to supply signal power which at the central office approximates 12dB below one milliwatt when averaged over any three second interval, the Company, at the Customer's request, will specify, for each Customer location, the signal power at the output of the network control signaling unit, which shall in no case exceed one milliwatt.

(2) 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:

(a) 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 (1) preceding.

(b) The power in the band from 4,005 Hertz to 10,000 Hertz shall not exceed 16dB below one milliwatt.

(c) The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24dB below one milliwatt.

(d) The power in the band from 25,000 Hertz to 40,000 Hertz shall not exceed 36dB below one milliwatt.

(e) The power in the band above 40,000 Hertz shall not exceed 50dB below one milliwatt.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

4. Acoustic or Inductive Connections (Cont'd)

b. Minimum Protection Criteria (Cont'd)

(3) 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 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.

5. Accessories

Customer-provided accessories may be used with telecommunications services provided that such accessories comply with the provisions of Paragraphs A.1.b and A.3.b.(1)(b) preceding.

6. Equipment-to-Equipment Connections

a. Equipment-to-equipment connections, as defined in Paragraph A.1.f. preceding, will only be permitted with Company-provided host terminal equipment and communications systems when:

(1) The supplier of the added equipment insures compliance of the combined host and added equipment, including wiring, with Part 68 of the Federal Communications Commission's Rules and Regulations and this Paragraph A.6.

(2) Connection of the added equipment to the host is made through a Company-provided interface which:

(a) Provides all points of connection between the added equipment and wiring internal to host equipment housings.

(b) Permits reasonable trouble isolation.

(3) The customer subscribing to the host notifies the Company of the added equipment and the host terminal equipment or communications system to which such added equipment is to be connected, in advance of such connection, and agrees to notify the Company when such added equipment is permanently disconnected.

b. The Company reserves the right, for good reason, to not allow, or to require disconnected of, an equipment-to-equipment connection to any Company-provided host terminal equipment or communications system.

c. Rates and charges for equipment-to-equipment connections to Company-provided host terminal equipment and communications systems will be based on the costs attributable to the specific connection and/or disconnection involved.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

7. Connections of Customer-Provided Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations

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 or at a location provided by the Customer, provided that:

a. Minimum protection criteria set forth in Paragraph A.3.c preceding are complied with.

b. The connection is made through a Service Terminating Arrangement furnished by the Company.

The Service Terminating Arrangement provides a clearly delineated interface which facilitates the design, isolation and testing of the telecommunications service. Where a protective connecting arrangement is required, the Service Terminating Arrangement is provided as part of the protective connecting arrangement.

c. The connection is:

(1) Through switching equipment, or

(2) Directly to the Company-provided connecting arrangement if the Customer-provided communications system is arranged to promptly return the exchange telephone service to an idle (on-hook) state if the system fails. In addition, when the system fails, the Customer shall notify the Company.

8. Connections of Certain Facilities of Power, Pipe Line and Railroad Companies

a. General

(1) Except as otherwise provided in Paragraph A.8.b following, telephone facilities of an electric power company, an oil, oil products or natural gas pipe line 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 Paragraphs A.3 and A.7 preceding, be connected with the telecommunications network for the following purposes:

(a) in cases of emergency involving safety of life or property;

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

8. Connections of Certain Facilities of Power, Pipe Line and Railroad Companies (Cont'd)

a. General (Cont'd)

(b) 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;

(c) 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

(d) during an interim period in cases where the Customer has arranged for replacement of said Customer facilities with facilities of the Company.

(2) 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.

(3) Connection of a telephone circuit of such companies as specified in Paragraphs A.8. (1)(b), (c) or (d) preceding may be established at either end of such circuit, but shall not be established at both ends simultaneously.

(4) Customer-provided facilities will be connected with facilities of the Company for communication with private line teletypewriter or facsimile facilities furnished by the Company.

(5) Customer-provided facilities will be connected with channel facilities furnished by the Company for teletypewriter, telewriter, data, facsimile, remote metering, supervisory control or miscellaneous signaling purposes.

(6) Circuit facilities of the type used by the Company for private line and leased channel use will be furnished by the Company between a terminal of subscriber- provided facilities within or near a telephone exchange or local calling area and a location within such exchange or local calling area for connection at such location with terminal equipment furnished by the Company; provided, however, that terminal equipment not normally furnished by the Company may be furnished by the subscriber.

Equipment provided by the subscriber on his circuits for the purpose of deriving telephone, teletypewriter or Morse, telewriter, remote metering, supervisory control or miscellaneous signaling channels may be used, if suitable for such use, to derive such channels over circuit facilities of the type used by the Company for private line and leased channel use, furnished by the Company.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

8. Connections of Certain Facilities of Power, Pipe Line and Railroad Companies (Cont'd)

a. General (Cont'd)

(7) Facilities of the Company, when connected with facilities of the subscriber, will not be used for communications of others than the subscriber, 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 subscriber as parts of an integrated electric power, oil, oil products, or natural gas system or railroad system under direct or common ownership or control; or

(b) own or operate an electric power or pipe line or railroad system jointly with the subscriber; or

(c) own or operate electric power or pipe line or railroad facilities interconnected with those of the subscriber.

Company facilities when so connected may be used for exchange or message toll communications of other companies specified in Paragraphs A.8.a.(7)(a), (b), or (c) preceding, including calls originated by employees of such companies, only under the circumstances set forth in Paragraphs A.8.a.(7) (1) (a) and (b), preceding.

b. Customer-provided terminal equipment and communications systems connected to the telecommunications network in accordance with Paragraph A.1.8.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 customer-provided 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 Paragraph A.2 preceding.

9. Connections of Certain Facilities of the U.S. Army, Navy and Air Force

a. General

(1) Except as otherwise provided in Paragraph A.9.b 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 of Paragraphs A.3 and A.7 preceding, 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

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

9. Connections of Certain Facilities of the U.S. Army, Navy and Air Force (Cont'd)

a. General

(2) Except as otherwise provided in Paragraph A.9.b following, telephone facilities of the U.S. Department of the Army, Navy or Air Force, other than those described in Paragraph A.9.(a)(1) preceding, may, in lieu of the provisions of Paragraphs A.3 and A.7 preceding, be connected by means of switching or connecting equipment furnished by the Company, to a PBX switchboard or other telephone 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.

(3) Teletypewriter, telewriter, data, facsimile, remote metering, supervisory control or miscellaneous signaling facilities of the aforesaid Departments will be connected to private line services or channels furnished by the Company for such purposes.

b. Customer-provided terminal equipment and communications systems connected to the telecommunications network in accordance with Paragraph A.9.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 customer-provided 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 Paragraph A.2 preceding.

10. Connections of Facilities Furnished by the Customer Which Involve Hazardous or Inaccessible Locations

a. Except as otherwise provided in Paragraph A.10.b following, facilities furnished by the Customer which involve hazardous or inaccessible locations may be connected to the telecommunications network.

b. Effective January 1, 1980, new installations of, or additions to, Customer-provided 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 Paragraph A.10.a preceding must conform with Part 68 of the Federal Communications Commission's Rules and Regulations.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

A. CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT AND COMMUNICATIONS SYSTEMS (Cont'd)

11. Connections with Certain Facilities of Airline Companies and Federal Aviation Agency

a. Except as otherwise provided in Paragraph A.11.b following, facilities provided by an Air Common Carrier, its authorized communications agency, or The Federal Aviation Agency to communicate with aircraft in flight may, in lieu of the provisions of Paragraphs A.3 and A.7 preceding, be connected, by means of connecting equipment furnished by the Company, to Company facilities located on the premises of the subscriber for exchange and message toll service in cases of emergency involving the safety of life or property.

b. Customer-provided terminal equipment and communications systems connected to the telecommunications network in accordance with Paragraph A.11.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 customer-provided 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 Paragraph A.2 preceding.

12. Customer-Provided Automatic Answering and Recording Equipment and Automatic Answering Only Equipment

In addition to the provisions n Paragraphs A.1 through A.4 preceding, customer-provided automatic answering and recording equipment and automatic answering only equipment is furnished subject to the following:

a. Such equipment may be connected with facilities of the Company only when and for so long as the customer subscribes to a sufficient number of telephone lines to handle adequately the volume of telephone calls received without interfering with any of the services offered by the Company. In the event that the use of customer-provided equipment causes such interference, the Company shall have the right to discontinue service without prior notification to the customer.

b. In the furnishing of recorder-coupler equipment for automatic announcement or answering service, the Company upon request, when given the telephone number of the line facilities connected to recorder-coupler equipment, will furnish the name and address of the subscriber to the service.

13. Rates and Charges

For Rates and Charges, see Part B, Section 18.1 of this Product Guide.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

B. CONNECTIONS OF CUSTOMER-PROVIDED NON-KEY EQUIPMENT

1. General

Connections to the network must be made in accordance with regulations of the Federal Communications Commission (Part 68), the New York Public Service Commission and the provisions following.

a. Inside wiring may be connected to the Company's network by any one of the following means:

- Direct Connection
- Standard Network Interface (SNI)
- Network Interface (NI)
- Data Interface Arrangement (DIA), as specified in Part A of the Product Guide.

2. Terms and Conditions

a. Standard Network Interface (SNI) or Network Interface (NI):

(1) Inside wiring may be connected to the Company network in a Standard Network Interface (SNI) or Network Interface (NI). The SNI consists of a standard registration jack with loop test capability. The NI consists of a standard registration jack without loop test capability.

(2) On an installation requiring a premises visit, the Company will terminate its access line in a Company-provided SNI, NI, or its equivalent. A Service Order Charge, Premises Visit Charge and Installation Charge apply for the SNI or NI or its equivalent.

(3) If there is an existing jack in place at the time of the installation visit, which conforms to the provisions specified in Paragraph B.1 of this Section and meets acceptable technical and location specifications, the Company will reclassify that jack as an SNI or NI at no installation charge to the customer.

b. Responsibility of the Customer

(1) The Customer shall be responsible for the installation and maintenance of any Customer-provided premises wiring and outlets connected to the SNI, NI or DIA. No Customer-provided premises wiring 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 premises wiring, his calling or called party. Upon notice from the Company that Customer-provided premises wiring is caused or is likely to cause 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.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

B. CONNECTIONS OF CUSTOMER-PROVIDED NON-KEY EQUIPMENT (Cont'd)
2. Terms and Conditions (Cont'd)

c. Responsibility of the Company

(1) Where Customer-provided or maintained premises wiring is used with telecommunications services, the responsibility of the Company shall be limited to the furnishing of service and service components suitable for its telecommunications services and to the maintenance and operation of service components in a manner proper for such services.

(2) 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-provided premises wiring or outlets incompatible with telecommunications services, or require modification or alteration of such Customer-provided premises wiring or outlets, or otherwise materially affect its use or performance, the Customer will be given adequate notice to allow the Customer an opportunity to maintain uninterrupted service.

(3) The Company will make available for Customers, excluding PBX and Centralized Switching service customers, at public offices, standards and guidelines for Customer-provided premises wiring, in accordance with Appendix A and Appendix B of the Commission's Order of January 10, 1980 in Case 26894.

d. Violation of Provisions

When any Customer-provided premises wiring is used with telecommunications services in violation of any of the provisions in this Paragraph B.2, the Company will take such immediate action, including disconnection of the service, as necessary for the protection of the telecommunications network and the Company employees, and will promptly notify the Customer of the violation. The Customer shall discontinue such use of the premises wiring 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 Product Guide.

3. Rates and Charges

For Rates and Charges, see Part B, Section 18.1 of this Product Guide.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES

1. General Provisions

a. General

Terminal equipment and communications systems provided by the Customer may be connected to private line services furnished by the Company where such connections are made in accordance with the provisions of this Paragraph C. The term telecommunications services as used herein includes exchange service, Long Distance Message Telecommunications Service (LDMTS) and Wide Area Telecommunications Service (WATS). (C)

The term Private Line Service as used herein denotes lines between Customer locations and central offices for control purposes.

b. Responsibility of the Customer

(1) The Customer shall be responsible for the installation, 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 equipment or services of the Company, (unless that change or alteration is specifically permitted under the provisions of Paragraph C.6 of this Section), 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 a Customer-provided terminal equipment or 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.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)
1. General Provisions (Cont'd)

c. Responsibility of the Company

(1) Private line service are not represented as adapted to the use of Customer-provided terminal equipment or communications systems. Where Customer-provided terminal equipment or communications systems are used with private line service, the responsibility of the Company shall be limited to the furnishing of service components suitable for private line services and for the maintenance and operation of service components in a manner proper for such services. Subject to this responsibility the Company shall not be responsible for (i) the through transmission of signals generated by the Customer-provided terminal equipment or communications systems or for the quality of, or defects in, such transmission, or (ii) the reception of signals by Customer-provided terminal equipment or communications systems or (iii) address signaling where such signaling is performed by Customer-provided signaling equipment.

(2) 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 line, needed to permit Customer-provided terminal equipment to operate in a manner compatible with the telecommunications network.

(3) The Company may make changes in its telecommunications equipment, operations or procedures, where such action is not inconsistent with Part 68 of the Federal Communication Commission's Rules and Regulations. If such changes can be reasonably expected to render any Customer's terminal equipment or communications system incompatible with the telecommunications network or require modification or alteration of such Customer-provided 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.

d. Recording of Two-Way Telephone Conversations

Private line services are not represented as adapted to the recording of two-way telephone conversations. When Customer-provided voice recording equipment is used with a private line service which is connected to telecommunications services, the provisions relating to Recording of Two-Way Telephone Conversations as set forth in Paragraph C.1.d of this Section are applicable to such private line service.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)
1. General Provisions (Cont'd)

e. Violation of Provisions

When any Customer-provided terminal equipment or communications system is used with private line services in violation of any of the provisions in this Paragraph C., the Company will take such immediate action, including disconnection of the service, 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 Product Guide.

f. Definitions

The terms "Accessories", "Authorized Protective Connecting Module", "Certified Data Transmitting and/or Receiving Terminal Equipment", "Certified Protective Circuitry for PBX Systems", "Certified Voice Transmitting and/or Receiving Terminal Equipment", "Communications Systems", "Composite Data Service", "Composite Data Service Vendor", "Conformance Number" "Conforming Answering Device", "Connecting Arrangement", "Customer-Provided Terminal Equipment", "Direct Electrical Connection", "Interface", "Network Control Signaling", "Network Control Signaling Unit", and "Nonpowered Conferencing Equipment" used herein are defined in Section 14 of this Part B of the Product Guide.

Equipment-to-Equipment Connection

The term "Equipment-to-Equipment Connection" as used in Paragraph C of this Section denotes the connection of equipment, which by itself is unregisterable for direct use with the telecommunications network, but is registerable or usable with host terminal equipment or communications systems which in turn may be registered in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations for direct connection to the telecommunications network.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)
1. General Provisions (Cont'd)
f. Definitions (Cont'd)

Grandfathered Communications Systems

The term "Grandfathered Communications Systems" as used in this Paragraph E denotes the Customer-provided communications systems (including their equipment and protective circuitry if any) connected at the Customer's premises, and that are considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, (a) such systems were connected to the telecommunications network or the private line services specified in Paragraph C.2.a following prior to January 1, 1980 and were of a type system which was directly connected (i.e. without Company-provided connecting arrangements) to the telecommunications network or the private line services specified in Paragraph C.2.a following as of June 1, 1978, or (b) such systems are connected to the private line services specified in Paragraph C.2.b or C.2.c following prior to May 1, 1983 and are of a type system which was directly connected (i.e. without Company-provided connecting arrangements) to the private line services specified in Paragraph C.2.b or C.2.c following as of April 30, 1980.

Grandfathered Connections of Communications Systems

The term "Grandfathered Connections of Communications Systems" as used in this Paragraph E denotes connections via Company provided connecting arrangements of Customer-provided communications systems (including their equipment) at the Customer's premises, and that are considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, (a) such connections to the telecommunications network or the private line services specified in Paragraph C.2.a following were made via Company-provided connecting arrangements prior to January 1, 1980 and such connecting arrangement are of a type of connecting arrangement connected to the telecommunications network or the private line services specified in Paragraph C.2.a following as of June 1, 1978, or (b) such connections to the private line services specified in Paragraph C.2.b or C.2.c following are made via Company-provided connecting arrangements prior to May 1, 1983 and such connecting arrangements are of a type of connecting arrangement connected to the private line services specified in Paragraph C.2.b or C.2.c following as of April 30, 1980.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)
1. General Provisions (Cont'd)
f. Definitions (Cont'd)

Grandfathered Terminal Equipment

The term "Grandfathered Terminal Equipment" as used in this Paragraph E denotes Customer-provided terminal equipment (including protective circuitry if any) connected at the Customer's premises, and that is considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, (a) such terminal equipment was connected to the telecommunications network or the private line services specified in Paragraph C.2.a following prior to July 1, 1979 and was of a type of terminal equipment which was directly connected (i.e. without Company-provided connecting arrangements) to the telecommunications network or the private line services specified in Paragraph C.2.a following as of October 17, 1977, or (b) such terminal equipment is connected to the private line services specified in Paragraph C.2.b or C.2.c following prior to May 1, 1983 and is of a type of terminal equipment which was directly connected (i.e. without Company-provided connecting arrangements) to the private line services specified in Paragraph C.2.b or C.2.c following as of April 30, 1980.

Grandfathered Connections of Terminal Equipment

The term "Grandfathered Connections of Terminal Equipment" as used in this Paragraph E denotes connections via Company-provided connecting arrangements of Customer-provided terminal equipment connected at the Customer's premises, and that are considered to be grandfathered under Part 68 of the Federal Communications Commission's Rules and Regulations because, (a) such connections to the telecommunications network or the private line services specified in Paragraph C.2.a following were made via Company-provided connecting arrangements prior to July 1, 1979 and such connecting arrangements are of a type of connecting arrangement connected to the telecommunications network or the private line services specified in Paragraph C.2.a following as of October 17, 1977, or (b) such connections to the private line services specified in Paragraph C.2.b or C.2.c following are made via Company-provided connecting arrangements prior to May 1, 1983 and such connecting arrangements are of a type of connecting arrangement connected to the private line services specified in Paragraph C.2.b or C.2.c following as of April 30, 1980.

Registered Equipment

The term "Registered Equipment" as used in this Paragraph E denotes equipment which complies and has been approved within the Registration provisions of Part 68 of the Federal Communications Commission's Rules and Regulations.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)

1. General Provisions (Cont'd)

g. Interpositioning of Customer-Provided Terminal Equipment and Communications Systems

Customer-provided terminal equipment and communications systems may be connected in an interpositioned configuration to those private line services specified in Paragraph C.2 following subject to the provisions of Paragraph C.1.g of this Section.

2. Connections of Registered Equipment

Customer-provided terminal equipment, protective circuitry, and communications systems that are registered may be connected to those private line services specified in Paragraphs C.2.a., b. or c. following, subject to Paragraph C.1 preceding and this Paragraph C.; and further subject to to Paragraph C.2 of this Section.

a. The connection may be made only at the Customer's premises to voice grade private line service (including the appropriate Group Channel Service equivalent) that present a two wire or four wire loop signaling interface for such connection under the following conditions.

(1) Customer-provided registered terminal equipment, registered protective circuitry, and registered key telephone systems may be connected to the station end of private line services furnished in connection with off-premises stations.

(2) Customer-provided registered PBX Systems may be connected, as a trunk termination, to the station end of private line services furnished in connection with off-premises stations.

(3) Customer-provided registered terminal equipment, registered protective circuitry, and registered key telephone systems may be connected to CCSA or EPSCS access lines.

A foreign exchange line (including its appropriate Group Channel equivalents) may be utilized with Customer-provided registered terminal equipment, registered protective circuitry and registered communications systems which are connected to the exchange telephone service associated with such lines.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)
2. Connections of Registered Equipment (Cont'd)

b. The connection of Customer-provided registered terminal equipment and registered PBX systems may be made only at the Customer's premises to a voice grade private line service (including appropriate Group Channel equivalents) that presents an interface for either 2 or 4 wire transmission, with separate E and M signaling leads conventionally known as Type I (battery/ground) or Type II (contact closure type). Such E and M signaling leads are those terminal equipment or PBX leads (other than voice or data communications leads) used for the purpose of transferring supervisory or address signals across the interface.

c. The connection of Customer-provided registered terminal equipment and registered PBX systems may be made only at the Customer's premises to a voice grade private line service furnished to provide indications of message registration of outgoing calls or automatic identification of outward dialing (AIOD) to such Customer-provided equipment or systems.

In addition, Customers who intend to install, perform additions to, or make rearrangements of AIOD functions shall give advance notice to the Company in accordance with the procedures specified in Part 68 of the Federal Communications Commission's Rules and Regulations or as otherwise authorized by the Federal Communications Commission.

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems

a. Direct Connections

(1) Grandfathered terminal equipment and grandfathered communications systems, directly connected to the private line services specified in Paragraph C.2.a preceding are subject to Paragraph C.3.a., d. and e. of this Section. Such connections are subject to the minimum protection criteria set forth in Paragraph C.4.f following.

(2) Grandfathered terminal equipment and grandfathered communications systems, directly connected to the private line services specified in Paragraphs C.2.b., and c. preceding on April 30, 1980, may remain connected for the life of the equipment without registration, and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations, subject to the following:

(a) All such connections shall comply with the minimum protection criteria set forth in Paragraph C.4.f following.

(b) No changes may be made to equipment so connected except by the manufacturer thereof, or a duly authorized agent of the manufacturer.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)

3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

(3) Until May 1, 1983, new installations of terminal equipment or communications systems which have been grandfathered may be connected for use with the private line services specified in Paragraphs C.2.b. or c. preceding, subject to the following:

(a) the Customer shall notify the Company when such equipment or systems are to be connected and shall notify the Company when such equipment or systems are to be permanently disconnected; such notification shall include a description of the equipment including the manufacturer's name, model number, and type of equipment;

(b) all such connections are made through standard jacks or are otherwise connected;

(c) all such connections shall comply with the minimum protection criteria set forth in Paragraph C.4.f following:

(d) premises wiring associated with communications systems shall conform to Part 68 of the Federal Communications Commission's Rules and Regulations;

(e) no changes may be made to equipment so connected except by the manufacturer thereof, or duly authorized agent of the manufacturer.

(4) Additions to grandfathered terminal equipment or grandfathered communications systems specified in Paragraphs C.(2) and (3) preceding may be made, subject to Paragraphs C.(3)(a) through (e) preceding and to the following:

(a) where the equipment being added is grandfathered.

(b) additions of registered equipment is subject to Paragraph C.2 preceding.

(5) Systems connected pursuant to Paragraphs C.3.(2) through (4) preceding may remain connected and be moved and reconnected, in accordance with Paragraphs C.3. (3)(a) through (e) preceding, for the life of the equipment and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations.

(6) Customer-provided terminal equipment and Customer-provided communications systems connected via Customer-provided grandfathered protective circuitry are subject to the provisions of Paragraphs C.3.(1) through (5) preceding.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)
3. Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Cont'd)

b. Connections Through Connecting Arrangements Provided by the Company

(1) Grandfathered connections of terminal equipment and grandfathered connections of communications systems to the private line services specified in Paragraph C.2.a preceding are subject to Paragraph C.3.b of this Section. Such connections are subject to the minimum protection criteria set forth in Paragraph C.4.f following.

(2) Grandfathered connections of terminal equipment and grandfathered connections of communications systems to the private line services specified in Paragraph C.2.a preceding are subject to the following.

(a) Company-provided connecting arrangements will only be provided, to the extent that such connecting arrangements are available, to reconnect terminal equipment or communications systems which were previously connected to the private line services specified in Paragraph C.2.b or c preceding through connecting arrangements prior to May 1, 1983.

(b) Grandfathered connections of terminal equipment and grandfathered connections of communications systems made in accordance with Paragraph C.3.b.(2)(a) preceding may remain connected and be moved and reconnected for the life of the equipment and may be modified only in accordance with Part 68 of the Federal Communications Commission's Rules and Regulations. Connecting arrangements used for such moves and reconnections will continue to be provided by the Company subject to their availability, at the rates and charges specified in Part B, Section 18.3.K and Section 18.6.C and E of this Product Guide.

(c) Network control signaling shall be performed by the connecting equipment furnished, installed and maintained by the Company, except that Customer-provided tone-type address signaling is permissible through the Company-provided connecting arrangement.

(d) The connections specified in Paragraphs C.3.b.(2)(a) through (c) preceding must comply with the minimum protection criteria specified in Paragraph C.4.f. following.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)

4. Connections of Customer-Provided Terminal Equipment and Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations

a. General

(1) Connecting arrangements are not required and minimum protection criteria are not applicable where Customer- provided terminal equipment or communications systems are connected with the following channels when such channels are used for the types of transmission specified herein due to the nature of the service provided and/or for the types of channels and equipment used.

- Private lines and leased channels for teletypewriter*, telewriter* or other printer communication* (C)
- Channels for facsimile transmission* (C)
- Channels for Remote Operation of Mobile Radiotelephone Systems
- Channels for Remote Metering, Supervisory Control and Alarm Signaling purposes* (C)

(2) Except as otherwise provided in Paragraphs C.2 and C.3 preceding, Customer-provided terminal equipment and communications systems may be electrically connected to private line services in accordance with this Paragraph C.4.

(a) When the Customer-provided terminal equipment or communications system is connected with private line service furnished by the Company and such private line service is not arranged for connection to telecommunications services, such connections shall be made to an interface provided by the Company.

(b) When the Customer-provided terminal equipment or communications system is connected with private line service furnished by the Company and such private line service is arranged for connection to telecommunications services:

(i) such connections shall be made through a connecting arrangement as provided in this Paragraph C.4 and
(ii) the connection shall be such that the functions of network control signaling (except Customer- provided tone type address signaling through a Company-provided connecting arrangement) are performed by equipment furnished by the Company, except as provided in Paragraph C.4.d following.

(c) Customer-provided terminal equipment or communications systems connected pursuant to Paragraph C.4.a.(2) (a) or (b) preceding, must comply with the minimum protection criteria specified in Paragraph C.4.f following.

* As of October 31, 2014, these services will not be provided to new customers. Existing customers may continue to keep these services. Changes and/or moves are permitted. Renewals are not permitted. (N) (N)

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)

4. Connections of Customer-Provided Terminal Equipment and Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations (Cont'd)

b. Data Terminal Equipment

Customer-provided data terminal equipment (including telephotograph equipment) may be connected at the Customer's premises to private line service through a network control signaling unit and a data access arrangement provided by the Company in accordance with the following when such private line service is arranged as provided in Paragraph C.4.a.(2)(b) preceding.

(1) The Customer shall furnish the equipment which performs the functions of:

(a) conditioning the data signals generated by the Customer-provided terminal equipment to signals suitable for transmission by means of Company services, and

(b) conditioning signals transmitted by means of Company services to data signals suitable for reception by Customer-provided equipment.

(2) Where a data access arrangement is furnished in connection with Customer-provided terminal equipment and such terminal equipment is used for both voice and data communication, the data access arrangement may be used to connect the Customer-provided terminal equipment for voice communication.

c. Voice Terminal Equipment

(1) Customer-provided voice terminal equipment may be connected at the Customer's premises to private line service in accordance with the following when such private line service is arranged as provided in Paragraph C.4.a.(2)(b) preceding.

(a) The connection shall be made through a network control signaling unit and a connecting arrangement furnished by the Company.

(b) Where a data access arrangement is furnished in connection with Customer-provided terminal equipment and such terminal equipment is used for both voice and data communication, the data access arrangement may be used to connect the Customer-provided terminal equipment for voice communication.

(2) Attested Equipment and Conforming Answering Devices may be used with private line service subject to the provisions of Paragraphs C.3.d and e of this Section.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)

4. Connections of Customer-Provided Terminal Equipment and Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations (Cont'd)

d. Communications Systems

Customer-provided communications systems not subject to Part 68 of the Federal Communications Commission's Rules and Regulations may be connected with private line services on a direct electrical basis at the Customer's premises or at a location provided by the Customer, provided that:

(1) Minimum protection criteria set forth in Paragraph C.4.f following are complied with.
(2) The connection is made through a Service Terminating Arrangement furnished by the Company.

The Service Terminating Arrangement provides a clearly delineated interface which facilitates the design, isolation and testing of the private line service. Where a protective connecting arrangement is required, the Service Terminating Arrangement is provided as part of the protective connecting arrangement.

(3) Where the private line service is arranged for connection to the common user switching equipment located in a Company central office, the connection must be:
(i) Through switching equipment, or
(ii) Directly to the Company-provided connecting arrangement if the Customer-provided communications system is arranged to promptly return the private line service to an idle (on-hook) state if the system fails. In addition, when the system fails, the Customer shall notify the Company.

e. Accessories

Accessories provided by a Customer may be used with private line services provided that such accessories comply with the provisions of Paragraphs C.1.b and C.4.a.(2)(b)(ii) preceding.

f. Minimum Protection Criteria for Electrical Connections

(1) Since private line services utilize Company channels and equipment in common with other services it is necessary in order to prevent excessive noise and crosstalk that the power of the signal applied to the Company private line service is individually engineered, a single valued limit for all applications cannot be specified. Therefore, the power of the signal in the band above 300 Hertz which may be applied by the Customer-provided equipment to the interface will be specified by the Company for each application to be consistent with the signal power allowed on the telecommunications network.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)

4. Connections of Customer-Provided Terminal Equipment and Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations (Cont'd)

f. Minimum Protection Criteria for Electrical Connections (Cont'd)

(2) 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 meet the following limits.

(a) 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 Paragraph C.4.f.(1) above.
(b) The power in the band from 4,005 Hertz to 10,000 Hertz shall not exceed 16dB below one milliwatt.
(c) The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24dB below one milliwatt.
(d) The power in the band from 25,000 Hertz to 40,000 Hertz shall not exceed 36dB below one milliwatt.
(e) The power in the band above 40,000 Hertz shall not exceed 50dB below one milliwatt.

(3) Where there is connection to telecommunications services, 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 time have energy solely in the 2450 to 2750 Hertz band. If signal power is 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.

g. Acoustic or Inductive Connections

1. General

(a) Customer-provided voice or data terminal equipment (including telephotograph equipment) may be acoustically or inductively connected at the Customer's premises to a private line service provided the acoustic or inductive connection is made externally to the network control signaling unit when such unit is provided by the Company.

(b) Customer-provided communications systems may be acoustically or inductively connected with private line service as specified in (i) following, provided the acoustic or inductive connection is made externally to the network control signaling unit when such unit is provided by the Company.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)
4. Connections of Customer-Provided Terminal Equipment and Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations (Cont'd)
g. Acoustic or Inductive Connections (Cont'd)

(c) Customer-provided tone-type address signaling is permitted through such connections, however, the services of the Company are not designed for such use and the Company makes no representation as to the reliability of address signaling which is performed in such manner.

(2) Minimum Protection Criteria

(a) Since private line services utilize Company channels equipment in common with other services it is necessary in order to prevent excessive noise and crosstalk that the power of the signal applied to the Company private line service be limited. Because each private line service is individually engineered a single valued limit for all applications cannot be specified. Therefore, the power of the signal which may be applied by the Customer-provided equipment to the interface will be specified by the Company for each application to be consistent with the signal power allowed on the telecommunications network.

(b) To protect other services, it is necessary that the signal which is applied by the Customer-provided equipment to the interface located on the Customer's premises meet the following limits at the output of the network control signaling unit:

(i) 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 Paragraph C.4.g.(2)(a) preceding.

(ii) The power in the band from 4,005 Hertz to 10,000 Hertz shall not exceed 16dB below one milliwatt.

(iii) The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24dB below one milliwatt.

(iv) The power in the band from 25,000 Hertz to 40,000 Hertz shall not exceed 36dB below one milliwatt.

(v) The power in the band above 40,000 Hertz shall not exceed 50dB below one milliwatt.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)

4. Connections of Customer-Provided Terminal Equipment and Communications Systems Not Subject to Part 68 of the Federal Communications Commission's Rules and Regulations (Cont'd)

g. Acoustic or Inductive Connections (Cont'd)

(2) Minimum Protection Criteria (Cont'd)

(c) When there is connection to telecommunications service, 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- provided voice transmitting and receiving equipment located on the Customer's premises be limited so that the signal at the output of the Company-provided voice transmitting and receiving equipment shall at no time have energy solely in the 2450 to 2750 Hertz band. If there is signal power at the output of the Company-provided voice transmitting and receiving equipment 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.

5. Channel Derivation Devices

Customer-provided channel derivation devices which are used to create additional channels may be connected to private line service subject to Paragraphs C.1, C.2 and C.3 preceding.

6. Equipment-to-Equipment Connections

a. Equipment-to-equipment connections, as defined in Paragraph C.1.f preceding, will only be permitted with Company-provided host terminal equipment and communications systems when:

(1) The supplier of the added equipment insures compliance of the combined host and added equipment, including wiring, with Part 68 of the Federal Communications Commission's Rules and Regulations and this Paragraph C.6.

(2) Connection of the added equipment to the host is made through a Company-provided interface which:

(a) Provides all points of connection between the added equipment and wiring internal to host equipment housings.
(b) Permits reasonable trouble isolation, as determined by the Company.
(c) Is otherwise acceptable to the Company for the specific connection to be accomplished.

(3) Such permission does not necessitate disclosure, by the Company, of information, which is proprietary in nature.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

C. CONNECTIONS TO PRIVATE LINE SERVICES (Cont'd)

6. Equipment-to-Equipment Connections (Cont'd)

a. (Cont'd)

(4) The customer subscribing to the host notifies the Company of the added equipment and the host terminal equipment or communications system to which such added equipment is to be connected, in advance of such connection, and agrees to notify the Company when such added equipment is permanently disconnected.

b. The Company reserves the right to not allow, or to require disconnection of, an equipment-to-equipment connection to any Company-provided host terminal equipment or communications system for reasons including, but not limited to:

(1) Incompatibility of a specific equipment-to-equipment connection with the design and/ or functioning of a specific host or impairment in the performance of a specific host following such connection.

(2) Inability to accommodate an equipment-to-equipment connection without manufacturing or other modification to the host which, in the opinion of the Company, are unwarranted.

c. Rates and charges for equipment-to-equipment connections to Company-provided host terminal equipment and communications systems will be based on the costs attributable to the specific connection and/ or disconnection involved.

7. Connection of Certain Facilities of Power, Pipe Line and Railroad Companies

Facilities of a power, pipe line or railroad company may be connected to private line services subject to the provisions of Paragraph A.8 of this Section.

8. Connections of Certain Facilities of the U.S. Army, Navy, and Air force

Facilities of the U.S. Army and Air Force may be connected to private lines services subject to this provision of Paragraph A.9 of this Section.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

D. CONNECTIONS WITH CERTAIN FACILITIES PROVIDED BY WESTERN UNION TELEGRAPH COMPANY

Interexchange private line services and channels furnished by The Western Union Telegraph Company to its customers for use in voice or alternate voice-data, voice-teleprinter, or facsimile-voice transmission may, when used for voice transmission and terminated in instrumentalities furnished at both ends by the Company as a part of an exchange or private line service provided by the Company to the same customer under this Product Guide be connected for exchange and message toll telephone service through such instrumentalities.

Interexchange private line channels and services furnished by The Western Union Telegraph Company as above to the U.S. Department of the Army, Navy or Air Force and terminated at both ends in an instrumentality furnished by such Department, or at one end in such an instrumentality and at the other end in an instrumentality furnished by the Company, may also be connected with the Company's facilities subject to the conditions set forth in Part A, Section 1.J of this Product Guide.

Interexchange private line services and channels furnished by The Western Union Telegraph Company to its customers, may also be connected, when used for voice transmission, with channels furnished by the Company for use with subscriber-provided intercommunicating equipment under this Part B of the Product Guide.

Channels within a communications base capacity furnished by the Company to The Western Union Telegraph Company for use by the latter as a part of its plant in furnishing TELPAK service under its tariffs may also, when connected at one end to a Company instrumentality in one exchange and used for voice transmission, be connected at the other end to a Company central office in a different exchange for foreign exchange telephone service in the latter exchange. Such channels may be extended by means of channels of telephone grade furnished to The Western Union Telegraph Company by the Company from a Company central office in either such exchange to a Company instrumentality, or to a Company central office, in another exchange, for foreign exchange telephone service.

Rates and charges in this Product Guide for equipment provided by the Company. Such rates and charges are in addition to the charges made by The Western Union Telegraph Company for the services and channels which it provides.

CONNECTIONS OF CUSTOMER PROVIDED EQUIPMENT AND CERTAIN FACILITIES

E. CONNECTION WITH CERTAIN FACILITIES OF OVERSEAS CARRIERS

Private line telephone services and channels for alternate use as channels for data, teletypewriter or telephotograph transmission, furnished under Company F.C.C. tariffs between premises of a subscriber outside New York City and a point in New York City where connection is made to overseas facilities of another carrier, may be connected to private branch exchange service or other telephone switching or terminal equipment furnished to the same subscriber, by means of connecting equipment, such as tie line terminals, provided under this Product Guide.

Similar services and channels furnished within New York City by an overseas carrier under its F.C.C. tariff may also be so connected.

The facilities of the overseas carrier shall not be connected to facilities of the Company to form a through connection for exchange or message toll service unless the facilities of the overseas carrier are capable of transmitting a bandwidth of approximately 2,800 cycles or more per second.