

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

LIST OF EFFECTIVE SHEETS

Sheets listed below are effective as of the date shown on each sheet.

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29th	CS A	2nd	25
30th ¹	CS A	2nd	26
19th	CS B	1st	27
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Original	24.1	5th	58

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NOTE 2: Advice Letter No. 17065 withdrawn April 24, 1996.

NOTE 3: Advice Letter No. 19976 withdrawn August 12, 1999.

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS

A. APPLICABILITY

The following regulations and equipment arrangements are applicable to the connection of equipment and/or systems and Other Common Carrier-provided communications systems, with certain facilities furnished by Pacific Bell, hereinafter referred to as the Utility, within the territory served.

8.1.1 GENERAL PROVISIONS

A. GENERAL

Terminal equipment and multiline terminating systems may be connected at the customer's premises to telecommunications services furnished by the Utility where such connections are made in accordance with the provisions of this Schedule A8.1. Telecommunications services as used herein include exchange service, Long Distance Message Telecommunications Service (LDMTS) and Wide Area Telecommunications Service (WATS).

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.1 GENERAL PROVISIONS (CONT'D)

B. RESPONSIBILITY OF THE CUSTOMER

1. The customer shall be responsible for the installation, operation and maintenance of any customer provided terminal equipment or multiline terminating system. No combinations of customer provided terminal equipment or multiline terminating systems shall require change in or alteration of the equipment or services of the Utility cause electrical hazards to Utility personnel, damage to Utility equipment, malfunction of Utility billing equipment, or degradation of service to persons other than the user of the subject terminal equipment or multiline terminating system, his calling or called party. Upon notice from the Utility that a customer provided terminal equipment or multiline terminating system is causing 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. z
2. The customer shall be responsible for the payment of a visit charge as provided in Schedule Cal.P.U.C. No. A8.3.1 for visits by a Utility employee to the customer's premises when a service difficulty or trouble report results from the use of customer provided terminal equipment, wire, standard jacks conforming to Part 68, Subpart F, of the FCC's Rules and Regulations, or multiline terminating system. (T)
3. The customer who provides the Premises Wiring of multiline terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations pursuant to Section 68.215 of Chapter I of Title 47 of that Code of Federal Regulations shall be responsible for the payment of an Institutional Program for Premises Wiring Charge as provided in Schedule Cal.P.U.C. No. A8.1.22 for activities performed by Utility employees at the customer's premises pursuant to subsections (f), (g) and/or (h) of said section 68.215, when the premises wiring in question has failed acceptance tests monitored by, or participated in by, the Utility pursuant to section 68.215, and/or has been revealed to be not in conformance with the information provided in the related affidavit which was provided pursuant to section 68.215, and/or has resulted in a harm to the network. z
4. The customer shall be responsible for the installation and maintenance of any inside wire and standard jack(s) conforming to Part 68, Subpart F, of the FCC's Rules and Regulations associated with non-key and non-switching system services for Individual, Suburban and Customer-Owned Pay Telephone Services. (T)

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.1 GENERAL PROVISIONS (CONT'D)

C. RESPONSIBILITY OF THE UTILITY

1. Telecommunications services are not represented as adapted to the use of customer provided terminal equipment or multiline terminating systems. Where customer provided terminal equipment or multiline terminating systems z are used with telecommunications services, the responsibility of the Utility shall be limited to the furnishing of service components suitable for telecommunications services and to the maintenance and operation of service components in a manner proper for such services to the Utility's local (T) loop demarcation point. Subject to this responsibility the Utility (T) shall not be responsible for (i) the through transmission of signals generated by the customer provided terminal equipment or multiline terminating z systems or for the quality of, or defects in, such transmission, or (ii) the reception of signals by customer provided terminal equipment or multiline terminating systems, or (iii) address signaling where such signaling is z performed by customer provided signaling equipment.
2. The Utility 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 z services.
3. The Utility may make changes in its telecommunications services, equipment, operations or procedures, where such action is not inconsistent with Part 68, Subpart F, of the FCC's Rules and Regulations . If such changes can be (T) reasonably expected to render any customer's terminal equipment or multiline terminating system incompatible with telecommunications services, or require modification or alteration of such customer provided terminal equipment or multiline terminating systems, or otherwise materially affect its use or z performance, the customer will be given adequate notice, in writing, to allow the customer an opportunity to maintain uninterrupted service.
4. The customer indemnifies and saves the Utility harmless against claims for libel, slander, or infringement of copyright from the material transmitted over its facilities; against claims for infringement of patents arising from combining with, or using in connection with, facilities of the Utility, apparatus and systems of the customer; and against all other claims arising out of any act or omission of the customer in connection with facilities provided by the Utility.

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.1 GENERAL PROVISIONS (CONT'D)

D. RECORDING OF TWO-WAY TELEPHONE CONVERSATIONS

1. No portion of the Public Utility Telephone Network in California to which the public, or any portion of the public, has access shall be used for the purpose of transmitting any telephone conversation which is being recorded. However, customer-provided voice recording equipment may be connected with Telecommunication Services, in accordance with D.2 or D.3 following, subject to the following conditions:
 - a. All the parties to the conversation must give their express prior consent to the recording, or
 - b. When notice that such recording is taking place is given to the parties to the conversation by one of the methods in accordance with 2.a. and 2.b. following.
2. Notice of recording shall be given either:
 - a. By an automatic tone warning device which shall automatically produce the distinct tone warning signal known as a "beep tone" which is audible to all parties to a communication and which is repeated at regular intervals during the course of the communication whenever the communication is being recorded; or
 - b. By clearly, prominently and permanently marking each telephone instrument for company use from which communications may be recorded to indicate that a communication of the user of the instrument may be recorded without notice; provided that this method of giving notice of recording may be used only if the automatic tone warning signal is audible to all parties to the communication using telephone instruments not marked.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.1 GENERAL PROVISIONS (CONT'D)

D. RECORDING OF TWO-WAY TELEPHONE CONVERSATIONS (CONT'D)

3. Notice of recording is not required:

- a. When used by a F.C.C. licensed broadcast station customer for recording of two-way telephone conversations solely for broadcast over the air.
- b. When used by the United States Secret Service of the Department of 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.
- c. When used by a broadcast network or by a cooperative programming effort composed exclusively of F.C.C. broadcast licensees to record two-way telephone conversations solely for broadcast over the air by a licensed broadcast station.
- d. When used for recording at 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.
- e. When used with stations or lines which are physically restricted from connection with telecommunications services.
- f. When used by the United States Nuclear Regulatory Commission of Department of Energy with respect to the telephone systems located at its Operations Center for recording of two-way telephone conversations.

4. Customer-provided voice recording equipment may not be connected with services of the Utility for the recording of two-way telephone conversations by means of an acoustic or inductive connection, except when used as specified in 3.a. through d. preceding.

5. The customer-provided voice recording equipment shall be so arranged that at the will of the user it can be physically connected to and disconnected from the services of the Utility or switched on and off.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.1 GENERAL PROVISIONS (CONT'D)

D. RECORDING OF TWO-WAY TELEPHONE CONVERSATIONS (CONT'D)

6. Appeals Procedure

In the event of a dispute between the Utility and a customer as to whether the customer is, in fact, in violation of provisions of this Paragraph, or if a customer desires special relief from those provisions by reason of special hardship or impossibility of compliance, the customer may file a formal complaint with the California Public Utilities Commission in the manner provided under the Commission's "Rules of Practice and Procedure". During the period the complaint is pending before the Commission, the Utility shall not terminate service for noncompliance.

7. Recording of Incoming Messages Only is Not Included Under This Rule

Direct electrical connections of recording equipment with facilities of the Utility for the recording of incoming messages only shall be made in accordance with Part 68 of the FCC's Registration Programs or as otherwise specified in this tariff schedule. A recorder tone is not required for recording incoming messages only.

E. VIOLATION OF REGULATIONS

When any customer-provided terminal equipment or multiline terminating system is used with telecommunications services in violation of any of the provisions in this Schedule, the Utility will take such immediate action as necessary for the protection of the telecommunications network and Utility employees, and will promptly notify the customer of the violation. The customer shall discontinue such use of the terminal equipment or multiline terminating system or correct the violation and shall confirm in writing to the Utility within 10 days, following the receipt of written notice from the Utility, 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 Utility within the time stated above shall result in discontinuance of the customer's service involved with the violation in accordance with Schedule Cal.P.U.C. No. A2.1.11.

If, after confirming to the Utility in writing that the violation has been corrected, the customer again uses such equipment or system in violation of this tariff schedule, the Utility shall disconnect the customer's service involved with the violation. Such disconnect shall take place as soon as practicable after the customer receives verbal, in-person or written notification of the Utility's intention to disconnect said service.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.1 GENERAL PROVISIONS (CONT'D)

F. DEFINITIONS

Accessories

Accessories are devices which are mechanically attached to, or used with telecommunications service. They are independent of the transmission conductors in the communications path of telecommunications service. (Devices which are electrically, acoustically or inductively connected to telecommunications service are not considered accessories). Examples of accessories are telephone dial locks and headset shoulder rests.

Accessories may be used with telecommunications service if they do not cause any harm to the telecommunications network.

Customer-Provided Communications Systems

Denotes systems, channels or other facilities not subject to Part 68 of the F.C.C.'s Rules and Regulations. A typical example would be a customer-provided microwave system.

Customer-Provided Test Equipment

The term "Customer-provided Test Equipment" as used in this schedule denotes test equipment located at the premises of the Customer that is used by the the Customer for the detection and/or isolation of a communications service fault.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.1 GENERAL PROVISIONS (CONT'D)

F. DEFINITIONS (CONT'D)

Grandfathered Multiline Terminating Systems

The term "Grandfathered Multiline Terminating Systems" as used in this Schedule denotes multiline terminating systems (including their equipment, premises wiring and protective circuitry if any) connected at the customer's premises, in accordance with the Utility's tariffs, and that are considered to be grandfathered under Part 68 of the F.C.C.'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 Utility provided connecting arrangements) to the telecommunications network as of June 1, 1978 or had been authorized under the California Public Utility Commission's Certification Program.

Grandfathered Connections of Multiline Terminating Systems

The term "Grandfathered Connections of Multiline Terminating Systems" as used in this Schedule denotes connections via Utility-provided connecting arrangements of customer-provided multiline terminating systems (including their equipment and premises wiring) at the customer's premises, in accordance with the Utility's tariffs, and that are considered to be grandfathered under Part 68 of the F.C.C.'s Rules and Regulations because, such connections to the telecommunications network are made via Utility 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.

Grandfathered Terminal Equipment

The term "Grandfathered Terminal Equipment" as used in this Schedule denotes terminal equipment (including protective circuitry, if any) connected at the customer's premises, in accordance with the Utility's tariffs, and that is considered to be grandfathered under Part 68 of the F.C.C.'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 Utility's provided connecting arrangements) to the telecommunications network as of October 17, 1977.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.1 GENERAL PROVISIONS (CONT'D)

F. DEFINITIONS (CONT'D)

Grandfathered Connections of Terminal Equipment

The term "Grandfathered Connections of Terminal Equipment" as used in this Schedule denotes connections via Utility-provided connecting arrangements of customer-provided terminal equipment connected at the customer's premises, in accordance with the Utility's tariffs, and that are considered to be grandfathered under Part 68 of the F.C.C.'s Rules and Regulations because, such connections to the telecommunications network were made via Utility-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.

Harm

Harm consists of hazards to personnel, damage to utility equipment, and impairment of service to persons other than the user of the customer-provided equipment. Types of harm include, but shall not be limited to, voltages dangerous to personnel, destruction of or damage to utility equipment, induced noise or cross talk, incorrect dial pulsing, failure of supervision, false answer, incorrect billing, absence of voice band transmission path for call progress signals, and loss of capability to answer an incoming call.

Multiline Terminating System

The term "Multiline Terminating System" denotes switching systems (i.e. PBX, Centrex, ACD, Tandem switching equipment, etc.) and key telephone type systems, subject to Part 68 of the F.C.C.'s Rules and Regulations, which are capable of terminating more than one local central office line, WATS access line or private line.

Network Control Signaling

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status and charging signals), address signaling (e.g. dialing), calling and called number identification, audible tone signals (call progress signals indicating re-order of busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of switching machines in the telecommunications systems.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.1 GENERAL PROVISIONS (CONT'D)

F. DEFINITIONS (CONT'D)

Registered

The term "Registered" as used in this Schedule denotes equipment which complies and has been approved within the Registrations provisions of Part 68 of the F.C.C.'s Rules and Regulations.

Terminal Equipment

Terminal equipment includes devices or apparatus and their associated wiring which do not constitute a multiline terminating system and which when connected to the communication path of the telecommunications network are connected either electrically, acoustically or inductively. Terminal equipment includes telephones, data equipment and ancillary equipment.

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.2 CONNECTIONS OF REGISTERED EQUIPMENT

A. REGISTERED TERMINAL EQUIPMENT, REGISTERED PROTECTIVE CIRCUITRY AND REGISTERED MULTILINE TERMINATING SYSTEMS

Terminal equipment, protective circuitry and multiline terminating systems may be directly connected at the customer's premises to the telecommunications network, subject to Part 68 of the F.C.C.'s Rules and Regulations and Schedule Cal.P.U.C. No. A8.1.1,B.3. and the following:

1. All combinations of registered equipment and associated nonregistered terminal equipment (including but not limited to wiring) shall be installed, operated and maintained so that the requirements of Part 68 of the F.C.C.'s Rules and Regulations are continually satisfied.

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

2. The Utility may require the customer to notify the Utility of each line (T) where registered equipment will be connected in advance of such (T) connection and shall notify the Utility when such registered equipment is permanently disconnected. The customer shall provide the Utility the Registration Number and Ringer Equivalence Number for the registered equipment and the Universal Service Order Code (USOC) of the Utility z provided 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 Utility 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 Utility, or
b. The ringer type is not a ringer type designated by the Utility as suitable for that particular line.

4. Unless a specific waiver has been granted by the F.C.C. or except as otherwise provided in 5. following, all connections of registered equipment to services furnished by the Utility shall be made through a (T) Utility provided standard network interface or its equivalent conforming to Subpart F; or, in the case of registered multiline terminating systems, through standard jacks conforming to Part 68, Subpart F, of the FCC's Rules and Regulations wired in other than a standard manner, when (T) such non standard wiring of the jack is agreed to by the Utility. For exception, see A8.1.1,B.4. preceding.

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.2 CONNECTIONS OF REGISTERED EQUIPMENT (CONT'D)

A. REGISTERED TERMINAL EQUIPMENT, REGISTERED PROTECTIVE CIRCUITRY AND REGISTERED MULTILINE TERMINATING SYSTEMS (CONT'D)

5. The requirement for the use of standard jacks as described in 4. preceding is waived for registered equipment which is located in hazardous or inaccessible locations.

B. PREMISES WIRING ASSOCIATED WITH REGISTERED MULTILINE TERMINATING 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:

- (1) 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.
- (2) A cord which complies with (1) preceding and which is extended once by a registered extension cord. Extension cords may be used as a substitute for wiring which for safety reasons should be affixed to or embedded in a building's structure.
- (3) 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 F.C.C.'s Rules and Regulations.
- (4) 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.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.2 CONNECTIONS OF REGISTERED EQUIPMENT (CONT'D)

B. PREMISES WIRING ASSOCIATED WITH REGISTERED MULTILINE TERMINATING SYSTEMS (CONT'D)

2. Customers who intend to connect premises wiring other than fully protected premises wiring to the telephone network shall do so in accordance with (T) the procedures specified in Part 68 of the F.C.C.'s Rules and Regulations or as otherwise authorized by the F.C.C.
3. The Utility may invoke extraordinary procedures specified in Part 68 of the F.C.C.'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 F.C.C.'s Rules and Regulations is likely.
 - b. A failure has occurred during acceptance testing for imbalance.
 - c. Harm has occurred, and there is reason to believe that this harm was a result of wiring operations performed under Part 68 of the F.C.C.'s Rules and Regulations.

In addition, the Utility 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 F.C.C.'s Rules and Regulations and in Schedule Cal.P.U.C. No. A8.1.22.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.2 CONNECTIONS OF REGISTERED EQUIPMENT (CONT'D)

C. CONNECTIONS INVOLVING NATIONAL DEFENSE AND SECURITY

1. In certain cases Part 68 of the F.C.C.'s Rules and Regulations permit the connection of non-registered terminal equipment or multiline terminating systems to the telecommunications network, provided that:

a. The Secretary of Defense; the head of any other governmental department (having requisite F.C.C. approval); or their authorized representative certifies in writing to the Utility that:

(1) The connection is required in the interest of national defense and security;

(2) The equipment to be connected either complies with the technical requirements of Part 68 or will not cause harms to the telecommunications network or Utility employees; and

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

8.1.3 CONNECTIONS OF GRANDFATHERED TERMINAL EQUIPMENT AND MULTILINE TERMINATING SYSTEMS

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 F.C.C.'s Rules and Regulations, subject to the following:

a. The customer shall notify the Utility when such grandfathered terminal equipment is to be connected and shall notify the Utility 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 at the Utility's local loop demarcation point through a standard network interface, Utility provided standard jacks or equivalent conforming to Part 68, Subpart F, of the FCC's Rules and Regulations or are otherwise connected by the Utility; and:

c. All such connections shall comply with the minimum protection criteria set forth in C. following.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.3 CONNECTIONS OF GRANDFATHERED TERMINAL EQUIPMENT AND MULTILINE TERMINATING SYSTEMS (CONT'D)

A. DIRECT CONNECTIONS (CONT'D)

2. Grandfathered Multiline Terminating Systems

Grandfathered multiline terminating 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 F.C.C.'s Rules and Regulations, subject to the following:

- a. The customer shall notify the Utility when such multiline terminating systems are to be connected and shall notify the Utility when such multiline terminating 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 connection are made at the Utility's local loop demarcation point through a standard network interface, Utility provided standard jacks or equivalent conforming to Part 68, Subpart F, of the FCC's Rules and Regulations or as otherwise connected by the Utility; (T)
(T)
- c. All such connections shall comply with the minimum protection criteria set forth in C. following;
- d. Premises wiring shall conform to Part 68 of the F.C.C.'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 multiline terminating systems may be made without registration of any additional equipment involved if:
 - (1) Equipment so added is being reconnected, i.e., was previously directly connected prior to January 1, 1980, in accordance with Utility Tariff Schedules; and
 - (2) Such additions comply with the provisions of 2.a. through e. preceding.
- g. Additions of registered equipment to grandfathered multiline terminating systems are subject to Schedule Cal.P.U.C. No. A8.1.2.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.3 CONNECTIONS OF GRANDFATHERED TERMINAL EQUIPMENT AND MULTILINE TERMINATING SYSTEMS (CONT'D)

B. RESERVED

(T)
(D)

(D)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.3 CONNECTIONS OF GRANDFATHERED TERMINAL EQUIPMENT AND MULTILINE TERMINATING SYSTEMS (CONT'D)

B. RESERVED

(T)
(D)

(D)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.3 CONNECTIONS OF GRANDFATHERED TERMINAL EQUIPMENT AND MULTILINE TERMINATING SYSTEMS (CONT'D)

B. RESERVED

(T)
(D)

(D)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.3 CONNECTIONS OF GRANDFATHERED TERMINAL EQUIPMENT AND MULTILINE TERMINATING 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 ensure that this limit is not exceeded, the power of the signal that may be applied by the customer provided equipment to the Utility's standard network interface located at the Utility's local loop demarcation point at the customer's premises will be specified for each customer location but in no case shall it exceed one milliwatt. (T)
2. To protect other services, it is necessary that the signal which is applied by the customer provided equipment to the Utility's standard network interface located at the Utility's local loop demarcation point at the customer's premises meet the following limits: (T)
 - 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. 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.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.3 CONNECTIONS OF GRANDFATHERED TERMINAL EQUIPMENT AND MULTILINE TERMINATING SYSTEMS (CONT'D)

C. MINIMUM PROTECTION CRITERIA FOR ELECTRICAL CONNECTIONS (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 Utility's standard network interface (T) located at the Utility's local loop demarcation point at the customer's (T) premises at no time have energy solely in the 2,450 to 2,750 Hertz band. If signal power is in the 2,450 to 2,750 Hertz band, it must not exceed the power present at the same time in the 800 to 2,450 Hertz band.

D. CERTIFIED EQUIPMENT AUTHORIZED BY GENERAL ORDER NO. 138 OF THE CALIFORNIA PUBLIC UTILITIES COMMISSION

1. This refers to Certified customer provided equipment authorized for direct z connection to certain facilities of the Utility by General Order No. 138 of the California Public Utilities Commission.

2. Direct connections of customer provided multiline terminating systems z authorized under the California Public Utilities Commission's Certification Program made prior to January 1, 1980 may remain connected and be moved or reconnected for the life of the equipment unless subsequently modified.

3. Terminal equipments other than multiline terminating systems, which were authorized for direct connection to certain facilities of the Utility under the California Public Utilities Commission's Certification Program directly connected to such facilities prior to July 1, 1979 may remain connected or be moved or reconnected for the life of the equipment unless subsequently modified.

4. Multiline terminating systems and terminal equipment described in 2. and 3. above will be treated as grandfathered multiline terminating systems and grandfathered terminal equipment under the F.C.C.'s Registration Program.

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.4 CONNECTIONS OF CUSTOMER PROVIDED COMMUNICATIONS SYSTEMS NOT SUBJECT TO FCC RULES Z

A. DIRECT ELECTRICAL CONNECTION

Customer provided communications systems not subject to Part 68 of the F.C.C.'s Rules and Regulations may be connected with telecommunications services on a direct electrical basis at the Utility's local loop demarcation point at the customer's premises provided that: z (T) (T)

1. The connection is made through:

- a. Registered or grandfathered terminal equipment, protective circuitry, or multiline terminating system which, either singularly or in combination, assures that the requirements of Part 68 of the F.C.C.'s Rules and Regulations are met at the Utility's local loop demarcation point and the standard network interface. (T) (T)

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

2. The connection is:

- a. Through switching equipment, or
- b. To a customer provided communications system not subject to Part 68 of the F.C.C.'s Rules and Regulations that is arranged to promptly return the network service to an idle (on hook) state should the communications system fail. In addition, the customer must notify the Utility when the communications system fails. z

3. Minimum protection criteria set forth in Schedule Cal.P.U.C. No. A8.1.3 preceding are complied with when the connection is made through equipment or systems that are not registered.

4. When the connection is to WATS service, the customer has a requirement to communicate over a WATS line to or from premises of that customer located in the same service area as that for which the WATS initial period rate applies. Customer provided communications systems not subject to Part 68 of the F.C.C.'s Rules and Regulations which are not connected through switching equipment must terminate only in that WATS service area in terminal equipment or multiline terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations. z

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.4 CONNECTIONS OF CUSTOMER PROVIDED COMMUNICATIONS SYSTEMS NOT SUBJECT TO FCC RULES (CONT'D) z

B. INSTITUTIONAL PROCEDURES FOR SIGNAL POWER CONTROL

1. When customer provided communications systems not subject to Part 68 of the F.C.C.'s Rules and Regulations are connected through, registered or grandfathered terminal equipment, multiline terminating system or protective circuitry which assures that all of the requirements of Part 68 of the F.C.C.'s Rules and Regulations are met at the Utility's local loop demarcation point and the standard network interface, no further action is required. However, when a customer elects to connect such a communications system to the telecommunications network and the registered or grandfathered equipment, system or protective circuitry through which the connection is made does not provide protection for signal power control, the customer must comply with the following institutional procedures: z (T)

a. The customer provided communications system must be installed, operated and maintained so that the signal power (within the frequency range of 200-4,000 Hertz) at the Utility's local loop demarcation point and the standard network interface continuously complies with Part 68 of the F.C.C.'s Rules and Regulations. z (T)

b. The operator(s)/maintainer(s) responsible for the establishment, maintenance and adjustment of the voice frequency signal power present at the Utility's local loop demarcation point and the standard network interface must be trained to perform these functions by successfully completing one of the following: (T)

- (1) A training course provided by the manufacturer of the equipment used to control voice frequency signal power; or
- (2) A training course provided by the customer or authorized representative, who has responsibility for the entire communications system, using training materials and instructions provided by the manufacturer of the equipment used to control the voice frequency power; or
- (3) An independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the equipment used to control the voice frequency signal power; or

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.4 CONNECTIONS OF CUSTOMER-PROVIDED COMMUNICATIONS SYSTEMS NOT SUBJECT TO FCC RULES (CONT'D)

B. INSTITUTIONAL PROCEDURES FOR SIGNAL POWER CONTROL (CONT'D)

- 1. (Cont'd)
- b. (Cont'd)

(4) In lieu of the preceding training requirements, the operator(s)/maintainer(s) is under the control of a supervisor trained in accordance with (1) through (3) preceding.

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

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

- (1) The full name, business address, business telephone number and signature of the customer or authorized representative who has responsibility for the operation and maintenance of the communications system.
- (2) The line(s) which the communications system will be either connected to or arranged for connection to.
- (3) A statement that all operations associated with establishment, maintenance and adjustment of the signal power present at the telecommunications network interface will comply with Part 68 of the F.C.C.'s Rules and Regulations.
- (4) A statement describing how each operator(s)/maintainer(s) of the communications system will meet and continue to meet the training requirements for persons installing, adjusting or maintaining the communications system.

2. Extra-ordinary Procedures

a. The Utility may invoke extra-ordinary procedures to protect the telecommunications network where one or more of the following conditions are present:

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (Cont'd)

8.1.4 CONNECTIONS OF CUSTOMER PROVIDED COMMUNICATIONS SYSTEMS NOT SUBJECT TO FCC RULES (Cont'd) Z

B. INSTITUTIONAL PROCEDURES FOR SIGNAL POWER CONTROL (Cont'd)

2. Extra-ordinary Procedures (Cont'd)

a. (Cont'd)

- (1) Information provided in the affidavit gives reasons to believe that a violation of Part 68 of the F.C.C.'s Rules and Regulations or the Institutional Procedures set forth in 1. preceding is likely.
- (2) Harm has occurred and there is reason to believe this harm was a result of operations performed under the Institutional Procedures set forth in (1) preceding.

b. The extra-ordinary procedures which can be invoked by the Utility, include:

- (1) Requiring the use of protective apparatus which either protects solely against signal power or which assures that all of the requirements of Part 68 are met at the telecommunications network interface. This protective apparatus may be provided by either the Utility or the customer.
- (2) Disconnecting service.

c. A charge equal to the visit charge as set forth in Schedule Cal.P.U.C. No. A8.3.1 will apply when: (T)
(T)

- (1) It is necessary to send a Utility employee to the premises where the connection is made because a condition set forth in A. preceding exists, and
- (2) A failure to comply with Part 68 of the F.C.C.'s Rules and Regulations or the Institutional Procedures for signal power control in 1. preceding is disclosed.

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.5 CONNECTIONS OF CUSTOMER-PROVIDED TERMINAL EQUIPMENT TO SERVICES SPECIFICALLY EXEMPTED FROM THE FCC REGISTRATION PROGRAM

Certain customer-provided terminal equipment may be connected at the customer's premises to semi public coin service of the Utility in accordance with the (T) following:

The customer-provided terminal equipment must comply with the minimum protection criteria set forth in Schedule Cal.P.U.C. No. A8.1.3,C.

8.1.6 CONNECTIONS OF CERTAIN FACILITIES OF POWER, PIPE LINE AND RAILROAD COMPANIES

A. GENERAL

1. Except as otherwise provided in 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 Schedule Cal.P.U.C. Nos. A8.1.3,C. and A8.1.4, be connected with the telecommunications network for the following purposes:
 - a. In cases of emergency involving safety of life or property;
 - 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 impractical because of hazard or inaccessibility for the Utility 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 Utility.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.6 CONNECTIONS OF CERTAIN FACILITIES OF POWER, PIPE LINE AND RAILROAD COMPANIES (CONT'D)

A. GENERAL (CONT'D)

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. 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 1.b., c. or d. preceding may be established at either end of such circuit, but shall not be established at both ends simultaneously.

B. LIMITATIONS

Customer-provided terminal equipment and multiline terminating systems connected to the telecommunications network in accordance with A.1. preceding prior to January 1, 1980 may remain connected and be moved and reconnected for the life of the equipment without registration unless subsequently modified. New installations of customer-provided terminal equipment and multiline terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations must be connected to the telecommunications network in accordance with Schedule Cal.P.U.C. No. A8.1.2.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.7 CONNECTIONS OF CERTAIN FACILITIES OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

1. Except as otherwise provided in 2. following, telephone facilities of the National Aeronautics and Space Administration may be connected by means of switching or connecting equipment furnished by the Utility, to a PBX switchboard or other telephone switching or terminal equipment of the Utility, for communication with stations and private line facilities associated with said switching or terminal equipment, where the administrator of the National Aeronautics and Space Administration or his authorized representative notifies the Utility in writing that such connection is required for the control of space vehicles. Such Administration telephone facilities will be connected to the telecommunications network only in cases of emergency involving safety of life or property, unless the aforesaid Administration facilities are in locations where it is impracticable for the Utility to furnish its facilities.
2. Customer-provided terminal equipment and multiline terminating systems connected to the telecommunications network in accordance with 1. preceding, prior to January 1, 1980, may remain connected and be moved and reconnected for the life of the equipment without registration unless subsequently modified. New installation of customer-provided terminal equipment and multiline terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations must be connected to the telecommunications network in accordance with Schedule Cal.P.U.C. No. A8.1.2.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.8 CONNECTIONS OF CERTAIN FACILITIES OF THE U.S. ARMY, NAVY AND AIR FORCE

1. Except as otherwise provided in 3. below, 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 Schedule Cal.P.U.C. Nos. A8.1.3,C. and A8.1.4, 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.

2. Except as otherwise provided in 3. following, telephone facilities of the U.S. Department of the Army, Navy or Air Force, other than those described in 1. preceding, may, in lieu of the provisions of Schedule Cal.P.U.C. Nos. A8.1.3, and A8.1.4 preceding be connected by means of switching or connecting equipment furnished by the Utility, to a PBX switchboard or other telephone switching or terminal equipment, where the Secretary of the appropriate Department or his authorized representative notifies the Utility 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 Utility to furnish its facilities.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.8 CONNECTIONS OF CERTAIN FACILITIES OF THE U.S. ARMY, NAVY AND AIR FORCE (CONT'D)

3. Customer provided terminal equipment and multiline terminating systems z
connected to the telecommunications network in accordance with 1. and 2. above
prior to January 1, 1980, may remain connected, be moved and reconnected for
the life of the equipment without registration unless subsequently modified.
New installations of customer provided terminal equipment and multiline z
terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations
must be connected to the Utility's local loop demarcation point by a (T)
standard network interface as set forth in Schedule Cal.P.U.C. No. A8.1.2.
(T)

8.1.9 CONNECTIONS OF SERVICE STATION LINES AND FACILITIES FURNISHED BY THE CUSTOMER WHICH INVOLVE HAZARDOUS OR INACCESSIBLE LOCATIONS

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

2. Customer provided terminal equipment and multiline terminating systems z
connected to the telecommunications network in accordance with 1. above 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 multiline z
terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations
must be connected to the Utility's local loop demarcation point by a (T)
standard network interface as set forth in Schedule Cal.P.U.C. No. (T)
A8.1.2.

8.1.10 CONNECTIONS OF CUSTOMER PROVIDED TEST EQUIPMENT z

A. TOTALLY PROTECTIVE CONNECTIONS

Customer provided test equipment may be connected to the z
telecommunications network at the premises of the customer through registered or
grandfathered terminal equipment, protective circuitry, or multiline terminating
systems which, either singularly or in combination, assures that all of the
requirements of Part 68 of the F.C.C's Rules and Regulations (total protection)
are met at the telecommunications network interface.

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.10 CONNECTIONS OF CUSTOMER PROVIDED TEST EQUIPMENT (CONT'D) z

B. INTERIM PROGRAM FOR CONNECTIONS OF CUSTOMER PROVIDED TEST EQUIPMENT z

Customer provided test equipment may also be connected at the premises of the customer either (i) directly at the Utility's local loop demarcation point at the standard network interface, or (ii) through terminal equipment, protective circuitry, or multiline terminating systems which does not provide protection for signal power control under the following Interim Program provided that: z (T) (T)

1. The customer provided test equipment is limited to transmission signal power generating and/or detection devices, or similar devices, utilized by the customer for the detection and/or isolation of a communications service fault. z
2. The customer provided test equipment is of a type that was lawfully directly connected to the telecommunications network as of March 6, 1981. Such test equipment may remain connected, be moved or reconnected during the life of the test equipment unless it has been subsequently modified. z
3. Direct connections of customer provided test equipment or multiline terminating systems are made through a Utility provided standard network interface or equivalent conforming to Part 68, Subpart F, of the FCC's Rules and Regulations or as otherwise authorized by the Utility. z (T) (T)
4. Customer provided test equipment must be operated in accordance with the Institutional Procedures for Signal Power Control as specified in C. following. z
5. The customer notifies the Utility of each telecommunications network service at each premises to which the customer provided test equipment will be connected in advance of the initial connection. The customer must also notify the Utility when such test equipment is permanently disconnected at each premises. z
6. No customer provided test equipment or combination of test equipment with terminal equipment, protective circuitry or multiline terminating systems (including but not limited to wiring) may cause electrical hazards to Utility personnel, damage to Utility equipment, malfunction to Utility billing equipment, or degradation of service to persons other than the user of the subject test equipment or the user's calling or called party. z

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.10 CONNECTIONS OF CUSTOMER-PROVIDED TEST EQUIPMENT (CONT'D)

C. INSTITUTIONAL PROCEDURES FOR SIGNAL POWER CONTROL

1. In accordance with B.4. preceding, the customer must comply with the following Institutional Procedures:
 - a. The customer must install, operate and maintain the test equipment so that its signal power at the telecommunications network interface complies with Subpart D of Part 68 of the F.C.C.'s Rules and Regulations.
 - b. The operator(s)/maintainer(s) responsible for the test equipment signal power present at the telecommunications network interface must be trained to perform these function by successfully completing one of the following:
 - (1) A training course provided by the manufacturer of the test equipment, or
 - (2) A training course provided by the customer, or authorized representative of the customer, using training materials and instructions provided by the manufacturer of the test equipment, or
 - (3) An independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the test equipment, or
 - (4) In lieu of the preceding training requirements, the operator(s)/maintainer(s) is under the control of a supervisor trained in accordance with (1) through (3) preceding.

Upon request, the customer is required to provide proper documentation to demonstrate compliance with the requirements in this paragraph C.1.b.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.10 CONNECTIONS OF CUSTOMER-PROVIDED TEST EQUIPMENT (CONT'D)

C. INSTITUTIONAL PROCEDURES FOR SIGNAL POWER CONTROL (CONT'D)

1. (Cont'd)

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

- (1) The full name, business address, business telephone number and signature of the customer or authorized representative who has responsibility for the operation of the test equipment.
- (2) The line(s) to which the test equipment will be either connected to or arranged for connection to.
- (3) A statement that all operations associated with the establishment, maintenance and adjustment of the test equipment signal power present at the telecommunications network interface will comply with Subpart D of Part 68 of the F.C.C.'s Rules and Regulations.
- (4) A statement describing how each operator of the test equipment will meet and continue to meet the training requirements for persons installing, connecting, adjusting or maintaining the test equipment.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (Cont'd)

8.1.10 CONNECTIONS OF CUSTOMER PROVIDED TEST EQUIPMENT (Cont'd) z

C. INSTITUTIONAL PROCEDURES FOR SIGNAL POWER CONTROL (Cont'd)

2. Extra Ordinary Procedures

a. The Utility may invoke extra-ordinary procedures to protect the telecommunications network where one or more of the following conditions are present:

- (1) Information provided in the affidavit gives reason to believe that a violation of Part 68 of the F.C.C.'s Rules and Regulations or the Institutional Procedures set forth in 1.a. preceding is likely.
- (2) Harm has occurred and there is reason to believe this harm was a result of operations performed under the Institutional Procedures set forth in (1) above.

b. The extra ordinary procedures, which can be invoked by the Utility, include:

- (1) Requiring the use of protective apparatus which either protects solely against excessive signal power or which assures that all of the requirements of Part 68 of the F.C.C.'s Rules and Regulations are met at the telecommunications network interface.
- (2) Disconnecting service.

c. A charge equal to the visit charge as set forth in Schedule Cal.P.U.C. No. A8.3.1 will(T) apply when: (T)

- (1) It is necessary to send a repair person to the premises where the test equipment is connected because a condition as set forth in 1. preceding exists, and
- (2) A failure to comply with the Institutional Procedures for signal power control is disclosed. (T)

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.11 CONNECTIONS OF CERTAIN FACILITIES OF THE U.S. GOVERNMENT EXECUTIVE DEPARTMENTS AND AGENCIES

1. Except as otherwise provided in 2. below, equipment of a Department or Agency of the Executive Branch of the U.S. Government used for the purpose of disguising or concealing the contents or meaning of communications may, in lieu of the provisions of Schedule Cal.P.U.C. Nos. A8.1.3,C. and A8.1.4, be connected to Utility facilities subject to the regulations and conditions stated below:
 - a. The head of the Department or Agency whose equipment is to be connected, or his authorized representative, shall notify the Utility in writing that such connection is necessary to safeguard official information which requires protection in the interests of national defense, or other confidential official information, disclosure of which to unauthorized persons would be detrimental to the public interest.
2. Customer provided terminal equipment and multiline terminating systems z connected to the telecommunications network in accordance with 1. above prior to January 1, 1980 may remain connected and moved and reconnected for the life of the equipment without registration unless subsequently modified. New installations of customer provided terminal equipment and multiline z terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations must be connected to the Utility's local loop demarcation point by means (T) of a standard network interface or equivalent conforming to Part 68, of Subpart F, of the FCC's Rules and Regulations and as set forth in Schedule Cal.P.U.C. No. A8.1.2. (T)

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.12 CONNECTIONS OF CERTAIN FACILITIES OF THE U.S. FOREST SERVICE¹ (T)

1. Except as otherwise provided in 2. below, telephone facilities owned and maintained by the United States Forest Service in areas in or adjacent to National Forests, and operated and administered by the Forest Service, may, in lieu of the provisions in Schedule Cal.P.U.C. Nos. A8.1.3,C. and A8.1.4 be connected with the telecommunications network.
2. Customer provided terminal equipment and multiline terminating systems z connected to the telecommunications network in accordance with 1. above 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 z equipment and multiline terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations must be connected to the telecommunications network in accordance with Schedule Cal.P.U.C. No. A8.1.2.

8.1.13 CONNECTIONS OF CERTAIN FACILITIES OF THE U.S. COAST GUARD¹ (T)

1. Except as otherwise provided in 3. below, telephone facilities owned and maintained by the United States Coast Guard, serving coastal areas, operated and administered by the Coast Guard and commanded by Coast Guard authorities may be connected with exchange and toll facilities of the Utility.
2. Private mobile radiotelephone systems provided by the United States Coast Guard may be connected to Utility facilities for exchange and message toll service in cases of emergency involving communications during rescue operations.
3. Customer provided terminal equipment and multiline terminating systems z connected to the telecommunications network in accordance with 1. above 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 z equipment and multiline terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations must be connected to the telecommunications network in accordance with Schedule Cal.P.U.C. No. A8.1.2.

NOTE 1: Connections are made at the Utility's local loop demarcation point(N) by means of a standard network interface or equivalent conforming to Part 68, Subpart F, of the FCC's Rules and Regulations. (N)
z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.14 CONNECTIONS OF CERTAIN FACILITIES OF AIRLINE COMPANIES AND FEDERAL AVIATION AGENCY¹

(T)

1. Except as otherwise provided in 3. below, facilities provided by an Air Common Carrier, its authorized communications agency, or the Federal Aviation Agency to communicate with aircraft in flight may be connected to Utility facilities located at the Utility's local loop demarcation point at the premises of the customer for exchange and message toll service in cases of emergency involving the safety of life or property. (T)
2. Point-to-point radio lines provided by the Federal Aviation Agency may be connected, by means of connecting equipment furnished by the Utility, to the exchange and message toll network only in cases of emergency which may require communications with sites of aircraft disasters.
3. Customer provided terminal equipment and multiline terminating systems connected to the telecommunications network in accordance with 1. above 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 multiline terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations must be connected to the telecommunications network in accordance with Schedule Cal.P.U.C. No. A8.1.2. z

8.1.15 CONNECTIONS OF CERTAIN FACILITIES OF STEAMSHIPS WHILE IN PORT¹

(T)

1. Except as otherwise provided in 2. below, telephone systems owned and maintained by the customer on board ships may be connected while in port with the exchange and toll facilities of the Utility.
2. Customer provided terminal equipment and multiline terminating systems connected to the telecommunications network in accordance with 1. above 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 multiline terminating systems subject to Part 68 of the F.C.C.'s Rules and Regulations must be connected to the telecommunications network in accordance with Schedule Cal.P.U.C. No. A8.1.2. z

NOTE 1: Connections are made at the Utility's local loop demarcation point by means of a standard network interface or equivalent conforming to Part 68, Subpart F, of the FCC's Rules and Regulations. z Correction

(N)

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.16 CONNECTIONS OF OFF-PREMISES LINES FROM CUSTOMER-PROVIDED MULTILINE TERMINATING SYSTEMS

1. Station lines from a customer-provided PBX system will be provided by the customer to premises of the customer in the same or different buildings on continuous property.
2. Station lines extended from a customer-provided PBX system to a location in the same or contiguous exchange are provided at rates, charges and regulations applicable to PBX extension lines with stations or extension lines without stations as specified in Schedule Cal.P.U.C. No. A10.2, and A3.1.
3. Station lines extended from a customer-provided PBX system to location in a non-contiguous exchange are provided at rates, charges and regulations applicable to Special Access Voice Grade Service as specified in (T)
Schedule Cal.P.U.C. No. 175-T, 7.5.3. (T)
4. Intrasystem wiring associated with customer-provided key equipment will be provided by the customer to premises of the customer in the same or different buildings on continuous property.
5. Intercommunicating lines may be extended from a customer-provided key equipment to a different building on noncontinuous property in the same or different exchange at rates, charges and regulations applicable to (T)
Special Access Voice Grade Service as specified in Schedule Cal.P.U.C. (T)
No. 175-T, 7.5.3.
6. Non-key stations or key systems at an off-premises location on lines extended from a customer-provided multiline terminating system will be provided by the customer.
7. Off premises extensions from customer-provided key telephone type systems that terminate on non-key equipment will be provided by the customer in the same or different buildings on continuous property.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.17 CONNECTIONS OF OTHER COMMON CARRIER-PROVIDED COMMUNICATIONS SYSTEMS

A. GENERAL PROVISIONS

Communications systems provided by an Other Common Carrier listed in G. following, may be connected with the telecommunications network as specified in B. through H. following.

B. RESPONSIBILITY OF THE UTILITY

1. The Utility shall not be responsible for the installation, operation or maintenance of any Other Common Carrier-provided communications systems. The facilities of the Utility are not represented as adapted to the use of Other Common Carrier-provided systems and where such systems are connected to Utility facilities, the responsibility of the Utility shall be limited to the furnishing of facilities suitable for exchange and message toll service and to the maintenance and operation of such facilities in a manner proper for the service furnished; subject to this responsibility, the Utility shall not be responsible for (i) the through transmission of signals generated by the Other Common Carrier-provided systems or for the quality of, or defects in, such transmission, or (ii) the reception of signals by Other Common Carrier-provided systems, or (iii) network control signaling where such signaling is performed by Other Common Carrier-provided network control signaling equipment.
2. The Utility shall not be responsible to the customer or otherwise if changes in minimum network protection criteria or in any of the facilities, operations or procedures of the Utility render any Other Common Carrier-provided facilities obsolete or require modification or alteration of such equipment or otherwise affect its use or performance.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.17 CONNECTIONS OF OTHER COMMON CARRIER PROVIDED COMMUNICATIONS SYSTEMS Z (CONT'D)

C. RESPONSIBILITY OF THE CUSTOMER

1. Where service, as set forth in the tariff schedules of the Utility, may be used in connection with Other Common Carrier provided communications z systems, the operating characteristics of such systems shall be such as not to interfere with any of the services offered by the Utility. Such use is subject to the further provisions that the Other Common Carrier provided communications systems do not endanger the safety of the Utility z employees or the public; damage, require change in or alteration of the equipment or other facilities of the Utility; interfere with the proper functioning of such equipment or facilities; impair the operation of the exchange and toll network or other facilities or otherwise injure the public in its use of the Utility's services. Upon notice from the Utility that the Other Common Carrier provided system is causing or is likely to cause z such hazard or interference, the customer shall arrange with the Other Common Carrier to make such change as shall be necessary to remove or prevent such hazard or interference.
2. The customer shall be responsible for payment of a visit charge as set (T) forth in Schedule Cal.P.U.C. No. A8.3.1 for visits by the Utility to the (T) premises of the customer where the service difficulty results from the use of equipment, facilities or services provided by an Other Common Carrier.

D. NETWORK CONTROL SIGNALING

Satisfactory performance of the telecommunications network requires continuing functional compatibility of the network control signals and the central office equipment involved. To assure such continuing compatibility, network control signaling (except customer provided tone-type address signaling through a z Utility provided or Other Common Carrier provided connecting arrangement) in the furnishing of telecommunications service shall be performed by z equipment furnished, installed and maintained by the Utility or Other Common Carrier.

z Correction

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.17 CONNECTIONS OF OTHER COMMON CARRIER-PROVIDED COMMUNICATIONS SYSTEMS (CONT'D)

E. CONDITIONS FOR CONNECTION OF OTHER COMMON CARRIER-PROVIDED COMMUNICATIONS SYSTEMS

1. Other Common Carrier-provided communications systems (including channels derived from such systems), not exceeding voice grade, may be connected with telecommunications service at the premises of the customer provided that:
 - a. The connection is either through equipment which affects such connections externally to a Utility-provided network control signaling unit by means of an acoustic or inductive connection for transmitting and/or receiving or through direct electrical connection in accordance with c. or d. below.
 - b. Where the connection with the Other Common Carrier-provided communications system involves direct electrical-connection to the telecommunications network such connection shall be made through switching equipment provided by the customer or by the Other Common Carrier, or directly to a Utility-provided Interface Arrangement.
 - c. Where the connection is made by means of switching equipment provided by the customer, such switching equipment and the facilities provided by the Other Common Carrier shall be treated as a customer-provided communications system and the regulations preceding shall apply.
 - d. Connection shall be made only if the forms of electrical communication are the same and consistent with those for which the Utility-provided service is offered.
 - e. When such Other Common Carrier-provided communications systems are connected to exchange telephone service at a premises where the customer does not originate or terminate communications, the Utility may require, due to service affecting conditions, that the exchange telephone service be provided from the nearest central office(s) different than the central office(s) designated by the Utility to serve that premises.

Under such circumstances, monthly rates and installation charges and regulations for Foreign Prefix Service, Foreign District Area Service or Foreign Exchange Service, as shown in Schedule Cal.P.U.C. No. A5.1, apply as appropriate between the central office that would serve the customer's premises and the central office from which service is actually provided.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.17 CONNECTIONS OF OTHER COMMON CARRIER-PROVIDED COMMUNICATIONS SYSTEMS (CONT'D)

F. OTHER COMMON CARRIER SERVICE

c. All arrangements concerning the Other Common Carrier services shall be made by the customer with the carrier. The furnishing of telecommunications service by the Utility is not part of a joint undertaking with the Other Common Carrier.

G. OTHER COMMON CARRIERS

The Other Common Carriers referred to in this Schedule are:

<u>Tariff Carrier</u>	<u>F.C.C. No.</u>	<u>Calif. Tariff No.</u>
American Satellite Corporation	1	Not authorized to provide intrastate service
MCI Telecommunications Corporation	1	Not authorized to provide intrastate service
RCA American Communications, Inc.	1,2,93,94, 95,96,97	Not authorized to provide intrastate service
RCA Global Communications, Inc.	93	Not authorized to provide intrastate service
Southern Pacific Communications Company	2,3	
Western Tele-Communications, Inc.	6	Not authorized to provide intrastate service
Western Union Telegraph Co., The	254,261	Schedule Cal.P.U.C. No. A5.2.5,B.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.17 CONNECTIONS OF OTHER COMMON CARRIER-PROVIDED COMMUNICATIONS SYSTEMS (CONT'D)

H. VIOLATION OF REGULATIONS

1. Where any Other Common Carrier-provided system is connected to telecommunications service in violation of the provisions in A. through H. preceding, the Utility will take such immediate action as necessary for the protection of its facilities, and will promptly notify the customer of the violation. The customer shall correct the violation and shall confirm in writing to the Utility within 10 days following the receipt of written notice from the Utility that such 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 Utility within the time stated above shall result in discontinuance of the customer's service involved with the violation in accordance with Schedule Cal.P.U.C. No. A2.1.11. (T)z
2. If, after confirming to the Utility in writing that the violation has been corrected, the customer again uses such equipment or system in violation of the provisions in A. through H. preceding, the Utility shall disconnect the customer's service involved with the violation. Such disconnect shall take place as soon as practicable after the customer receives verbal, in-person or written notification of the Utility's intention to disconnect said service.

8.1.18 RESERVED

z Correction of tariff reference.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (CONT'D)

8.1.19 ACCESSORIES

Customer-provided accessories may be used with telecommunications services provided that such accessories comply with the provisions of Schedule Cal.P.U.C. No. A8.1.1,B.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.20 RESERVED

8.1.21 RESERVED

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND
COMMUNICATIONS SYSTEMS (Cont'd)

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NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.22 INSTITUTIONAL PROGRAM FOR PREMISES WIRING (T)

1. In accordance with FCC Rules, Parts 68.215 (g)(1) and 68.215 (f)(4) the Utility may monitor or participate in the acceptance testing required if:
 - a. The affidavit information gives reason to believe a violation of Part 68 of the FCC Rules is likely, or,
 - b. A failure has occurred during acceptance testing for imbalance, or,
 - c. A harm has occurred which is reasonably believed to be the result of the installation, connection, reconfiguration and/or partial removal wiring operations performed.
2. If none of the conditions referred to in 1. above is present but it is an initial installation of other than fully protected premises wiring, the Utility may monitor or participate in acceptance testing required (See FCC Rules, Part 68.215 (g)(2)).
3. Subject to the qualifying conditions listed in 1. and 2. above, the Utility may inspect the other than fully protected wiring and all insulation removal points, to determine compliance with FCC Rules, section 68.215 requirements (see FCC Rules, Part 68.215 (g)(3)), but
 - a. If the inspection is during the initial installation of unprotected wiring, the Utility may only require withdrawal of up to 5% of the wiring run concealed in ducts, conduits or wall spaces to determine conformance of the wiring to the affidavit information (see FCC Rules, Part 68.215 (g)(3)(i)).
 - b. When the inspection is after a failure of acceptance testing of unprotected wiring or after a harm has resulted from installed unprotected wiring, the Utility may require withdrawal of all wiring run concealed in ducts, conduits or wall spaces which reasonably could have caused the failure or harm, to determine conformance with the affidavit information (see FCC Rules, Part 68.215 (g)(3)(ii)).
 - c. When the wiring in question is partially protected, the Utility may inspect only exposed wiring, unless an actual harm has occurred, or an acceptance test failure condition has not been corrected within a reasonable time (see FCC Rules, Part 68.215 (h)(2)).
4. Institutional Program for Premises Wiring Activity is initiated by the Utility. Customer requests for premises visits are covered in Schedule Cal.P.U.C. No.A8.3.1. (T)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (Cont'd)

8.1.22 INSTITUTIONAL PROGRAM FOR PREMISES WIRING CHARGE (Cont'd)

5. Rates and Charges

In accordance with General Regulations where the Utility has performed the activities below and a failure occurred during a Utility monitored or participated-in acceptance test, and/or the wiring did not conform to the related affidavit information and/or an actual harm to the network resulted from the subject wiring operations, the Utility may apply an appropriate Institutional Program for Premises Wiring (IPPW) Charge. The IPPW Charge is comprised of the first, or a combination of both charges described below, as appropriate:

	IPPW CHARGE	USOC
- The first fifteen minutes, or fraction thereof, of total elapsed premises time spent by Utility employees in related monitoring or participation in acceptance tests and/or in related inspection of customer-provided premises wiring for Communications Systems subject to Part 68 of the Federal Communications Commission's Rules and Regulations and for administrative expenses including visit to the customer's premises	\$23.75 (R)	EPC1E
- Each additional fifteen minutes, or major fraction thereof, of total time spent by Utility employees in performing the related customer-premises activities described above	6.65 (R)	EPCAE

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.23 CONNECTING ARRANGEMENTS APPLICABLE TO EXCHANGE SERVICE

A. GENERAL PROVISIONS

1. Provisions concerning limitation of liability and allowance for interruptions in service are set forth in Schedule Cal.P.U.C. No.A2.1.14. (T)z

(D)

(D)

B. SEMIPUBLIC EXTENSION SERVICE, EXTENDED NETWORK INTERFACE (ENI) (T)x

1. Applicable in connection with 2. under Rates and Charges following. (L)

- a. A maximum of one ENI per semipublic line is allowed.
- b. For semipublic service restrictions, see Schedule Cal.P.U.C. No.A.5.5.2,Regulation B.5.a.(3).
- c. The ENI provides for privacy and priority to the primary station and restricts the customer-provided station to limited outward dialing.

2. Rates and Charges
 (3003A)

	<u>INSTALLATION</u> <u>CHARGE</u>	<u>MONTHLY</u> <u>RATE</u>	<u>USOC</u>
The ENI consisting of a privacy kit (exclusion module), jack and cardholder provides for the connection of customer-provided customer premises equipment (CPE) as an extension to the primary station of a semipublic telephone line.			
- Each ENI ¹	\$20.00	\$1.25	ECD

NOTE 1: See Schedule Cal.P.U.C. No. A3.1 for Labor Charges. (L)x
 x Formerly on Sheet 113.
 z Correction of tariff reference.

Continued

NETWORK AND EXCHANGE SERVICES A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

8.1.24 RESERVED

(T)

(D)

(D)

Continued

NETWORK AND EXCHANGE SERVICES A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.1 CONNECTIONS OF TERMINAL EQUIPMENT, MULTILINE TERMINATING SYSTEMS AND COMMUNICATIONS SYSTEMS (CONT'D)

(D)

(D)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.2 CONNECTIONS OF NETWORK ACCESS LINES AND CUSTOMER PROVIDED INSIDE WIRE

8.2.1 CONNECTING ARRANGEMENTS

A. STANDARD NETWORK INTERFACE (SNI) CLOSURES

1. DESCRIPTION

The SNI closure is a weatherproof housing suitable for exterior mounting that contains Utility provided hardware and customer inside wire terminating bridges.

- a. This closure meets F.C.C. Part 68 Rules by providing subscriber access to the Utility's network without accessing the protector.
- b. The SNI eliminates the need for the placement of multiple pieces of hardware at the customer's premises by both the Utility and the customer.
- c. The SNI is usually placed at a single residence dwelling and/or a single business location. SNIs will not be placed at multi-unit buildings.¹

2. REGULATIONS

Applicable in connection with 3., Rates and Charges following.

- a. Customers will be billed only where a standard network interface is installed on existing service as requested by the customer. There will be NO CHARGE for the placement of the SNI Closure during the provisioning of new service.

3. RATES AND CHARGES
(3002C)

	<u>INSTALLATION</u>	
	<u>CHARGE</u>	<u>USOC</u>
a. Entrance bridge and network interface for terminating one or two access lines		
- Each termination ²	\$10.12 (R)	RJNDP

NOTE 1: Multi-unit building - building that has multiple tenants.
NOTE 2: See Schedule Cal.P.U.C. No. A3.1 for Labor charges.

Continued

NETWORK AND EXCHANGE SERVICES

(D)

(D)

Continued

Advice Letter No. 15193

Issued by

Date Filed: Dec. 1, 1986

Decision No. 86-07-049

M. J. Miller

Effective: Jan. 1, 1987

Executive Director - State Regulatory

Resolution No.

NETWORK AND EXCHANGE SERVICES

(D)

(D)

Continued

Advice Letter No. 15193

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NETWORK AND EXCHANGE SERVICES

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Continued

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NETWORK AND EXCHANGE SERVICES

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NETWORK AND EXCHANGE SERVICES

(D)

(D)

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Executive Director - State Regulatory

Resolution No.

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 1.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 2.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 3.

CONTINUED

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 4.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 5.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 6.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 7.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 8.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 9.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 10.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 11.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 12.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 13.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.3 RESERVED (Cont'd)

(T)

Material omitted now in Schedule Cal.P.U.C. No. D7. Sheet 14.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE

(N)

8.4.1 INC CABLE

A. DESCRIPTION

Intrabuilding Network Cable (INC cable) is the telecommunications infrastructure located on the customer's side of the demarcation point¹ that connects the end of the Utility's local loop (Minimum Point of Entry) to floor terminal(s) within a customer's building or to another building on a customer's continuous property.²

Within a building, INC cable may be installed vertically to support telecommunications closet(s) on a floor, horizontally to support telecommunications closet(s) on a common floor, or any combination thereof.

Between buildings on a customer's continuous property, INC cable may be installed in conjunction with horizontal cable or may be placed exclusively for the support of interbuilding telecommunications needs.

For the purposes of this tariff, INC cable infrastructure is limited to copper facilities.

B. RESPONSIBILITY

1. For purposes of this tariff, the customer is the building owner, who is not necessarily the subscriber to any particular Utility network service.
2. The customer is responsible for the installation, rearrangement, and maintenance of INC cable required to support tenant telecommunications services. Where the customer refuses to provide INC cable, the applicant for service may request the Utility to provision the service in accordance with this tariff schedule, provided the customer grants access to the building structure for the placement of the INC infrastructure.
3. The Utility reserves the right to:
 - a. Adequate access for the installation and maintenance of its equipment, services, and inside wire.
 - b. Retain ownership of existing distribution cable facilities that may be required for future use.
 - c. Retain ownership of INC cable that supports National Security and other services deemed necessary for the protection of the public; e.g., Emergency Reporting Services.

NOTE 1: Schedule Cal.P.U.C. No. A2.1.20.

NOTE 2: See Schedule Cal.P.U.C. No. A2.1.1 for definition.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.1 INC CABLE (CONT'D)

B. RESPONSIBILITY (CONT'D)

4. The INC cable product shall meet the standards detailed in Schedule Cal.P.U.C. No. A8.4.2.

5. The Utility will provide to building/property owners and/or their agent¹ upon request and for a tariffed charge,² such INC charts or diagrams (i.e., cable location maps) as may be in existence. See Schedule Cal.P.U.C. A8.4.5. for new INC cable location map requirements. (N)

6. Until August 8, 1998, the Utility's shareholders will assume the costs for repairs to the INC not caused by willful misuse or negligence of individual property owners who have requested INC information (i.e., cable location maps) from the Utility but do not receive it (1) within 90 days of the request, for an owner of continuous property and(2) within 60 days after a request is made by an owner of all other types of property.. This obligation shall apply to existing building/property in which the Utility installed INC prior to August 8, 1993 and shall continue until the date the property owner receives the information.

The Utility's liability for repairs under this paragraph shall begin no sooner than (1) 90 days from August 4, 1993 for continuous property or (2) 60 days from August 4, 1993 for all other types of property, notwithstanding the date of the property owner's request for cable information. Property owners shall be responsible for demonstrating the date of the Utility's receipt of their requests by using certified mail or other verifiable method of dating their requests. (N)

NOTE 1: Agent(s) requests for INC charts or diagrams (i.e. Cable Location Maps) must include the written consent of the building/property owner authorizing the agent to obtain such information. (N)

NOTE 2: See Schedule Cal.P.U.C. No. A8.4.5. (N)

Material omitted now on Sheet 75.1.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.1 INC CABLE (CONT'D)

C. ACCESS TO AND USE

1. Where Utility services are provided over INC cable, the Utility shall be provided reasonable access to the customer's premises for the purpose of installing, inspecting, testing, rearranging, repairing, or removing its equipment, cable, wire, and services. The Utility shall have the right to make such tests and adjustments as necessary or appropriate to maintain its building entrance equipment and/or facilities in satisfactory operating condition. (L)
2. Pairs within the INC cable shall be maintained by the customer.
3. The Utility is granted the right of access to and use of the pairs, without charge, to provision and maintain telecommunications services provided by the Utility to its customers.
4. Where a customer is so located that it is necessary to use private right-of-way to furnish a service on continuous property, the customer shall be required to pay the entire costs involved in securing and retaining such right-of-way. (L)

(L) Formerly on Sheet 75.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.1 INC CABLE (CONT'D)

D. DEFINITIONS

Cable Location Map

Cable location maps are charts/diagrams (i.e., cable location maps) that provide the location, age, configuration, size, length, and type of INC cable facilities in buildings/property.

(N)
|
(N)

Material Charges

Those costs associated with materials used by the Utility, including appropriate loadings, taxes and transportation.

Mid-Rise

A building or structure not to exceed 20 floors.

Normal Business Hours

For the purposes of the INC cable tariff, the Utility's normal business hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Extended business hours and Saturdays are also available as normal business hours in limited serving areas as determined by the Utility's local business practices. Normal business hours exclude Sundays and Holidays.

Riser

INC cable that has been placed vertically in a building and penetrates one or more floors.

Single Story

A building with one floor or level, excluding basements and garages or other parking facilities, if any.

Store Front

A building or structure that allows for the access of customers for the purpose of purchasing merchandise.

Material omitted now on Sheet 76.1.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.1 INC CABLE (CONT'D)

D. DEFINITIONS (CONT'D)

Total Capital Value

(L)

The value of the plant used, including the costs to engineer, furnish, and install item(s) of plant by the Utility at today's replacement cost. The value may include considerations of the condition, length, and size (number of pairs) of the plant. The Utility may determine the value of the plant either by visual inspection or by utilizing the value matrix listed in Schedule Cal.P.U.C. No. A8.4.6.D.3. If the Utility conducts a visual inspection, it may base the value of the plant on its current broad gauge estimating procedures.

(L)

Utility

References to the "Utility" with respect to INC Cable services means the Utility, or its authorized service agent(s).

Warehouse

A building or structure intended for the storage of goods or merchandise.

(L) Formerly on Sheet 76.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

(N)

8.4.2 INC CABLE STANDARDS

THE UTILITY WILL PROVISION INC CABLE AND WILL MAINTAIN INC CABLE THAT IT PROVISIONED OR ASSUMED MAINTENANCE FOR IN COMPLIANCE WITH NATIONAL, STATE, AND LOCAL INDUSTRY MINIMUM SAFETY, TRANSMISSION, INSTALLATION, AND MATERIAL QUALITY STANDARDS.

INC CABLE SHALL MEET THE TECHNICAL SPECIFICATIONS AND STANDARDS OUTLINED BY THE FOLLOWING INDUSTRY GROUPS:

- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- NATIONAL ELECTRIC CODE (NEC)
- UNDERWRITER'S LABORATORIES (UL)
- BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL (BICSI)
- AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
- INSTITUTE OF ELECTRONICS AND ELECTRICAL ENGINEERS (IEEE)
- ELECTRONIC INDUSTRIES ASSOCIATION (EIA)/TELECOMMUNICATIONS INDUSTRIES ASSOCIATION (TIA)
- NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA)
- INSULATED CABLE ENGINEERING ASSOCIATION (ICEA)
- NATIONAL ELECTRICAL SAFETY CODE (NEC)
- NATIONAL RECOGNIZED TESTING LABORATORIES (NRTL)

INC CABLE PRODUCTS SHALL BE MANUFACTURED TO, AND USED IN ACCORDANCE WITH, THE ABOVE INDUSTRY STANDARDS AND ALL OTHER FEDERAL, STATE, AND LOCAL REQUIREMENTS; SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL BUILDING CODES; AND SHALL HAVE THE MINIMUM INDUSTRY RATING FOR THE APPLICATION, FOR EXAMPLE, CMR OR HIGHER FOR RISER APPLICATION.

AT THE CUSTOMER'S REQUEST, THE UTILITY WILL REVIEW NON-STANDARD INC CABLE AND PROVIDE A TIME AND MATERIALS QUOTE TO BRING THE INC CABLE, WHERE POSSIBLE, INTO COMPLIANCE WITH THE ABOVE STANDARDS AND APPLICABLE BUILDING CODES. INSTALLATION RATES OUTLINED IN SCHEDULE CAL.P.U.C. NO. A8.4.6 SHALL APPLY FOR ALL CABLE UPGRADE ACTIVITIES.

THE UTILITY WILL NOT BE REQUIRED TO PROVISION OR MAINTAIN ITS TELECOMMUNICATIONS SERVICES OVER INC CABLE THAT DOES NOT MEET NATIONAL, STATE, AND LOCAL INDUSTRY MINIMUM SAFETY, TRANSMISSION, INSTALLATION, AND MATERIAL QUALITY STANDARDS.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

(N)

8.4.3 IN PLACE INC CABLE

A. DESCRIPTION

1. In place INC cable is INC cable installed prior to August 8, 1993.
2. As of August 8, 1993, the customer is responsible for maintenance of INC cable, together with its associated protective apparatus, terminal chambers, connecting blocks, and frames. Responsibility for the In Place INC cable is transferred by the Utility to the customer in "as is" condition without any representation as to quality or fitness; permanence of right of way, easement, or locations; or any other matter whatsoever. The Utility expressly disclaims any express or implied warranties including the implied warranties of merchantability and fitness for a particular purpose.
3. The Utility will relinquish ownership of the embedded INC to the Building Owner upon full recovery of the Utility's capital investment (August 1998)
4. Ownership of facilities not detailed in 2. preceding, such as poles and conduit structure, shall remain with the Utility. Where no longer required by the Utility, these facilities may be priced for sale on an individual case basis as detailed in Schedule Cal.P.U.C. No. A2.8.1.
5. Limitations of liability as set forth in Schedule Cal.P.U.C. No. A2.1.14 shall apply.

B. SPECIAL PROVISIONING

1. All rearrangements, changes, and removals requested by the customer that are required to separate the relinquished facilities from the Utility's network shall be performed by the Utility. Labor charges as detailed in Schedule Cal.P.U.C. No. A3 are applicable and shall be paid by the customer in advance of the work to be performed by the Utility.
2. The Utility may further recover any extraordinary costs incurred during any special removal procedures requested by the customer. Where these costs have not been captured in the original estimate as set forth in Schedule Cal.P.U.C. No. A8.4.4.C, Terms and Conditions. Costs shall be recovered based on current costs for labor and materials.
3. The installation of additional service entrance facilities shall be performed in accordance with Schedule Cal.P.U.C. No. A2.1.36, Special Construction of Exchange Facilities.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

(N)

8.4.4 INC CABLE SERVICE

A. SERVICE OFFERINGS

1. Arranging for installation, repair, and maintenance of INC cable is the responsibility of the customer. A customer may choose a source for installation, repair, and maintenance other than the Utility.

2. The Utility may provide the following INC Cable services:

- Consultation and Design as described in Schedule Cal.P.U.C. No. A8.4.5;
- Installation as described in Schedule Cal.P.U.C. No. A8.4.6;
- Rearrangement as described in Schedule Cal.P.U.C. No. A8.4.7; and
- Maintenance and Repair as described in Schedule Cal.P.U.C. No. A8.4.8.

These services will be offered in accordance with B. and C. following and the regulations, terms and conditions, and charges specific to each offering.

B. ORDERING CONDITIONS

1. The customer shall provide all information necessary for the Utility to provide and bill for the requested service(s) including the following:

- Customer name and premises address(es)
- Billing name and address
- Customer contact name(s) and telephone number(s)

2. The Utility will establish a Service Date once the customer has provided a firm commitment for the service with sufficient information to allow processing of the request and has paid any applicable advance payments. The Utility will provide a firm order confirmation of the service dates to the customer.

3. The time required to provision the service is known as the service interval. Such intervals will be established in accordance with service date interval guidelines. A construction schedule will be provided to the customer within a reasonable period upon request.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.4 INC CABLE SERVICE (CONT'D)

B. ORDERING CONDITIONS (CONT'D)

4. The customer may request a modification to the services requested prior to the service date. The Utility will endeavor to accommodate a modification within normal business hours. If the modification cannot be made within normal business hours or within the terms and conditions for the specific service, the Utility will notify the customer. If the modification is still wanted, the Utility will schedule a new service date and notify the customer of any changes to the terms and conditions.

5. If the customer cancels the order after signing the "Request to Place Inter/Intrabuilding Cable on the Premises" agreement and prior to the service date, the Utility will charge the customer for any costs or expenses incurred prior to the receipt of the cancellation notice, not to exceed the estimated charge.

(N)

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D) (N)

8.4.4 INC CABLE SERVICE (CONT'D) |

| C. TERMS AND CONDITIONS |

| 1. The Utility will provide an estimate of charges to fulfill the customer's request for INC Cable Service. Once a firm order has been established the total charge to the customer may not exceed the estimated amount by more than 10 percent unless the overage results from changes requested by the customer.¹ |

2. Charges will apply to billable work activities performed by the Utility after the Utility has received customer authorization to begin work. Billable work activities include, but are not limited to, system consulting and design, job preparation and cleanup, system installation, system maintenance or repair, and customer specific work requests. |

3. The installation of additional service entrance facilities shall be performed in accordance with Schedule Ca.P.U.C. No. A2.1.36, Special Construction of Exchange facilities. |

4. The Utility will certify that all Utility provided materials and labor comply with the standards outlined in Schedule Cal.P.U.C. No. A8.4.2. |

5. Where INC cable is to be extended between premises of a customer in separate buildings on continuous property and underground construction is either requested or required, the customer shall provide the necessary right-of-way and supporting structure between the buildings. The Utility may, when requested by the customer, furnish the supporting structure in accordance with Schedule Cal.P.U.C. No. A2.1.36. |

6. Upon request the Utility will install or rearrange INC cable in buildings that are or may be occupied or controlled by more than one applicant/customer. Where the Utility's activities require entering an area that is or may be occupied by a party other than the applicant/customer, suitable arrangements for the Utility's employees to enter and work must be made by the applicant. (N) |

NOTE 1: Where the Utility incurs extraordinary costs as described in Schedule Cal.P.U.C. No. A8.4.3.B, the charges to the customer may exceed the 10 percent limit set herein. (N) |

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

(N)

8.4.4 INC CABLE SERVICE (CONT'D)

C. TERMS AND CONDITIONS (CONT'D)

7. The customer shall provide or arrange for the following items, without cost to the Utility and in accordance with the Utility's standards and applicable laws, ordinances, rules, and regulations of public authorities

- a. Suitable and adequate space for INC cable and associated equipment.
- b. Suitable means for cable to enter the building(s) and to reach any locations within the building(s).
- c. Penetrations of the fire walls; drilling holes in concrete, masonry or metal walls or floors; and any structural work necessary for housing and supporting cables and associated equipment, fire stopping and sealing of all pathways through floors and walls to comply with building and electrical codes.
- d. Movement of furniture, equipment, floor coverings or goods as may be required by the Utility's work operation.
- e. Safe working conditions for the Utility's employees.

8. Concealed Cable

At the customer's request, the Utility will place concealed cable if the customer provides for or arranges for the means of concealment in accordance with the preceding provisions and the following:

- a. The means of concealment may be in conduit, molding, or cabinets; under floor ducts; or by other means of concealment acceptable to the Utility.
- b. An in-floor or baseboard raceway or other space covered by removable floor, ceiling and wall panels will be an acceptable means of concealment if the customer:

(1) Makes suitable arrangements with the party controlling the area for the Utility's employees to enter the work area where the removable panels are accessible; and

(2) Removes and replaces all the panels as required to provide the Utility's employees access to the covered space; or

(3) Requests the Utility to remove and replace the panels.¹

NOTE 1 Shall be at the Utility's option. Written authorization may be required from the applicant/customer.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

(N)

8.4.4 INC CABLE SERVICE (CONT'D)

C. TERMS AND CONDITIONS (CONT'D)

9. Exposed Cable

The Utility will place cable and associated equipment on interior or exterior surfaces of buildings without concealment except in circumstances set forth in 8. preceding. However, the customer will be required to provide or arrange for suitable mechanical protection for such wiring and equipment where the Utility recommends that such protection is necessary to avoid unreasonable risk of damage to the facilities.

10. Warranty

The Utility warrants that its services will be performed in accordance with the standards established in Schedule Cal.P.U.C. No. A8.4.2, preceding. The Utility further guarantees all parts and equipment of the service against defects, including labor to replace parts and equipment. The Utility will replace defective parts at no additional charge.

The warranty term for INC cable and its associated facilities is one year. This warranty excludes any Utility provided supporting structure which is part of and associated with such facilities.

Warranty work shall be performed by the Utility during normal business hours of 8:00 a.m. to 5:00 p.m. Monday through Friday. (Note: Saturday warranty work is available in a limited serving area as outlined by the Utility's local business practices. Charges may apply for warranty work performed out of normal business hours.)

Other than the warranty set forth above, the Utility disclaims all other warranties, whether expressed or implied, not limited to but including warranties of merchantability and fitness for a particular purpose.

Limitations of liability as set forth in Schedule Cal.P.U.C. No. A2.1.14 shall apply.

11. Recovery

The Utility shall have full remedies permitted under the law in the event the customer fails to make payment. The Utility shall be entitled to collect attorney fees and costs in the event it prevails in an action to collect payment.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.5 CONSULTATION AND DESIGN

A. DESCRIPTION

1. The Utility may provide Consultation and Design that includes the following:

- Review and recommendation of designs for initial building telecommunications infrastructure.
- Review of the design and parameters of the service.
- Review and recommendation of building facilities needed including floor space, power, HVAC, terminal sizing and access, conduit/supporting structure size and placement, and projected growth allowance.
- Review and recommendation of cable type, size, and service application.
- Review and recommendation of alternative serving arrangements.
- Documentation of designs including architectural cabling plans, cable location maps, and projected facility transmission parameters.
- Development of Request for Proposal (RFP).

2. Schedule Cal.P.U.C. No. A8.4.4,B. Ordering Conditions and C. Terms and Conditions shall apply.

B. CHARGES

Consultation and Design

Per hour or fraction thereof where the work performed is within the Utility's normal work schedule and where the Utility's normal work force is used. \$113.04 (R)

Premium, per hour or fraction thereof, where the customer requests the work be performed outside the Utility's normal work schedule or where a special work force is used. \$134.89 (R)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

(N)

8.4.6 INSTALLATION

A. DESCRIPTION

1. At the customer's request, the Utility will install new INC cable within a customer's building. Within a building, this cable may be installed vertically to support telecommunications closet(s) on a floor, horizontally to support multiple telecommunications closet(s) on a common floor, or in combination thereof.

The Utility will install new INC cable between buildings on a customer's continuous property. This cable may be installed in conjunction with intrabuilding cable or may be placed exclusively for the support of interbuilding telecommunications needs.

2. The Utility will install INC cable to replace or supplement existing INC cable, to replace INC cable damaged in a catastrophic loss, or to support customer specific transmission performance requirements.

3. "As Built" documentation of new Utility placed INC cable, including cable type, terminal type and location, pair count and availability, and tested cable parameters will be provided at the conclusion of the installation by the Utility.

B. TERMS AND CONDITIONS

1. Standard installation testing includes continuity and loss measurements. At the customer's request, the Utility will test additional transmission parameters and performance levels. Installation charges in C. following will apply.

2. Ownership of the installed facilities is transferred to the customer upon completion of the installation and the payment of all charges for the services offered under the provisions of this tariff.

3. The conditions set forth in Schedule Cal.P.U.C. No. A8.4.4.B. and C. shall apply.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.6 INSTALLATION (CONT'D)

B. TERMS AND CONDITIONS (CONT'D)

4. An advance payment equal to 20 percent of the estimated charge shall be required where credit has not been established as set forth in Schedule Cal.P.U.C. No. A2.1.6. The remainder of the amount owing is due and payable on the date the bill is presented in accordance with Schedule Cal.P.U.C. No. A2.1.9,D.1,2 (T) (T)
5. Where credit has been established as set forth in Schedule Cal.P.U.C. No. A2.1.6, the outstanding balance may be billed by the Utility in three consecutive monthly installments without interest.
6. Charges for materials used are in addition to the installation charges in C., following.

NOTE 1: Schedule Cal.P.U.C. No. A8.4.8.D, Intra/Interbuilding Network Cable Price Matrix.

NOTE 2: Government entities as defined in G096-A, Section X, are excluded from the advance payment requirements of this paragraph.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.6 INSTALLATION (Cont'd)

C. CHARGES

1. Standard Installation, including time and materials¹ RR

2. Time and Materials²

a. Materials are priced based on delivery to the customer location,
including applicable shipping charges and taxes.

b. Time

(1) Per hour or fraction thereof where the work
performed is within the Utility's normal work schedule
and where the Utility's normal work force is used. \$87.39 (R)

(2) Premium, per hour or fraction thereof where the
customer requests the work be performed outside the
Utility's normal work schedule or where a special
work force is used. \$106.39 (R)

NOTE 1: Schedule Cal.P.U.C. No. A8.4.8.D, Intra/Interbuilding Network Cable
Price Matrix.

NOTE 2: In addition to labor rates to install INC cable where the customer
provides all or part of the material to complete the installation.
All materials supplied must conform with the Utility's standards as
set forth in Schedule Cal.P.U.C. No. A8.4.2 before installation
begins.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

(N)

8.4.7 REARRANGEMENT

A. DESCRIPTION

1. At the customer's request, the Utility will provide a non design quote for rearrangements of INC cable. Where the rearrangement requires consultation or design, charges set forth in Schedule Cal.P.U.C. No. A8.4.5 will apply.
2. At the customer's request, the Utility will rearrange INC cable and its associated terminal equipment within a customer's building or between buildings on a customer's continuous property. Cable may be rearranged within or between telecommunications closets. Cable placement to support rearrangement will be done in accordance with B. Regulations, preceding.
3. The Utility will rearrange auxiliary equipment that supports transmission performance requirements within and between buildings on a customer's continuous property.
4. The Utility will remove INC cable and its associated terminal equipment within a customer's building or between buildings on a customer's continuous property. INC cable may be removed within or between telecommunications closets.
5. The Utility will remove unused or abandoned INC cable on a customer's property.

B. TERMS AND CONDITIONS

1. A service establishment charge will be assessed to initiate billing records for a customer's location.
2. Charges for materials used are in addition to the rearrangement charges in C., following.
3. Full payment of the charges shall be made at the completion of the project and the presentation of the bill.
4. The conditions set forth in Schedule Cal.P.U.C. No. A8.4.4, B. and C. shall apply.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.7 REARRANGEMENT (Cont'd)

C. CHARGES

1. Rearrangement Charge

- a. Basic per hour or fraction thereof where the work performed is within the Utility's normal work schedule and where the Utility's normal work force is used. \$ 87.39 (R)
- b. Premium, per hour or fraction thereof where the customer requests the work be performed outside the Utility's normal work schedule or where a special work force is used. \$106.39 (R)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.8 MAINTENANCE AND REPAIR

A. DESCRIPTION

The Utility offers maintenance and repair of INC Cable on a Per Visit INC Cable Maintenance and Repair Service. (C)
(C)

B. INC CABLE SERVICE AGREEMENT¹ (T)

1. General

a. The Utility offers a Basic Repair Service as well as the optional services described in 3., following, under an INC Cable Service Agreement for a term not to exceed three years. The minimum term of the agreement is one year and may be renewed for successive one, two or three year terms with the consent of the Utility. The price for service is determined by the capital value of the INC cable infrastructure as determined by the Utility and the number of optional services which the customer subscribes to. The Utility will include the following items in the determination of the value of the INC cable: (T)

- Type of cable;
- Number of pair in the cable;
- Total combined length of the cable;
- Number of splices in the cable; and
- Number of terminals attached to the cable.

The Utility may determine the value of the plant either by visual inspection or utilizing the value matrix listed in Schedule Cal.P.U.C. No. A8.4.8.D.3. If the Utility conducts a visual inspection, it may base the value of the plant on its current broad gauge estimating procedures.

b. Coverage by the Service Agreement begins only after the cable is brought into compliance. See h., following.

c. A service establishment charge will be assessed to initiate billing records for a customer's location.

NOTE 1: Frozen/Grandfathered INC Cable Service Agreement effective July 1, 2004, pending CPUC approval - See General Regulations, Schedule Cal.P.U.C. No. A2.1.1. (N)
(N)

Material omitted now on Sheet 91.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.8 MAINTENANCE AND REPAIR (Cont'd)

B. INC CABLE SERVICE AGREEMENT¹ (Cont'd)

(T)

1. General (Cont'd)

d. The conditions set forth in Schedule Cal.P.U.C. No. A8.4.4,B. and C. will apply.

(L)

e. Nonpayment of the service establishment charge will result in the cancellation of the Service Agreement.

f. The Utility reserves the right to exclude INC cable where, in the Utility's opinion, the cable has been neglected or willfully misused.

(L)

g. The Utility reserves the right to cancel an existing INC Cable Service Agreement with 30 days written notice giving the basis for the cancellation where, in the Utility's opinion, the cable has been neglected or willfully misused.

h. Non-standard INC cable is not eligible to be covered under the Utility's INC Cable Service Agreement. At the customer's request the Utility will review non-standard INC cable and provide a time and materials quote to bring the INC cable, where possible, into compliance with standards. Installation charges set forth in Schedule Cal.P.U.C. No. A8.4.6 will apply for all cable upgrade activities.

i. See Schedule Cal.P.U.C. No. A8.4.8,B.2.g. for terms and conditions relating to an optional month-to-month INC Cable Service Agreement for Basic Repair Service.

(T)

NOTE 1: Frozen/Grandfathered INC Cable Service Agreement effective July 1, 2004, pending CPUC approval - See General Regulations, Schedule Cal.P.U.C. No. A2.1.1.

(N)

(N)

(L) Formerly on Sheet 90.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.8 MAINTENANCE AND REPAIR (Cont'd)

B. INC CABLE SERVICE AGREEMENT¹ (Cont'd)

(T)

2. Basic Repair Service

- a. The Utility will repair INC cable and associated facilities within a customer's building or between buildings on a customer's continuous property where the INC cable meets the standards set forth in Schedule Cal.P.U.C. No. A8.4.2.
- b. The Utility will repair auxiliary equipment that supports transmission performance and will reinstall cross connects for services that use the INC cable.
- c. Repair of INC cable service supports major or minor cable failures.
 - Major failure is where more than 10 percent of the pair count available in the cable fails.
 - Minor failure is where more than 2 percent but less than 10 percent of the pair count available in the cable fails.

Incidental failures of less than 2 percent are supported by changing the effected circuit(s) to spare pair(s) within the INC cable. At the customer's request and the Utility's concurrence, the Utility may repair incidental failures rather than changing to spare pairs.

- d. This service excludes damage caused by catastrophic loss (fire, floods, or other acts of nature) or the willful neglect of the customer or agent. The Utility will perform restoration services to these damages under its INC Cable Installation Service tariff.
- e. The Utility will provide "As Repaired" documentation that includes cable type(s) where changed from the original; revised pair counts and availability; and tested cable parameters.
- f. At the customer's request, the Utility will locate and mark INC cable route locations within a customer's building or between buildings on a customer's continuous property.

NOTE 1: Frozen/Grandfathered INC Cable Service Agreement effective July 1, 2004, pending CPUC approval - See General Regulations, Schedule Cal.P.U.C. No. A2.1.1.

(N)
|
(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.8 MAINTENANCE AND REPAIR (Cont'd)

B. INC CABLE SERVICE AGREEMENT¹ (Cont'd)

(T)

2. Basic Repair Service (Cont'd)

g. Until August 8, 1998, a month-to-month INC Service Agreement for Basic Repair Service is available under the following terms and conditions:

- The customer must purchase a one-year INC Cable Service Agreement for Basic Repair Service and pay the applicable charge in advance pursuant to Schedule Cal.P.U.C. No. A8.4.8,D.1.

- INC repair services will be available to any customer whose INC was installed by the Utility, notwithstanding the condition of the INC as of August 8, 1993.

In the event INC has been damaged due to augmentation, rearrangement, movement or willful misuse by parties other than the Utility, the Utility will not be obligated to provide repair service under this option and the customer may obtain repair service on a per visit basis. See Schedule Cal.P.U.C. No. A8.4.8,C. - Per Visit INC Cable Maintenance and Schedule Cal.P.U.C. No. A8.4.8,D.2 - Per Visit Charge.

(T)

The customer may terminate the month-to-month INC Service Agreement at any time without liability to the Utility. In the event of such termination, the Utility will refund to the customer the unused portion of the charge on a pro rata basis, based on 30-day month.

NOTE 1: Frozen/Grandfathered INC Cable Service Agreement effective July 1, 2004, pending CPUC approval - See General Regulations, Schedule Cal.P.U.C. No. A2.1.1.

(N)

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.8 MAINTENANCE AND REPAIR (Cont'd)

B. INC CABLE SERVICE AGREEMENT¹ (Cont'd)

(T)

3. Optional Services

The Utility may provide optional maintenance and repair services at the charges set forth in D., following.

a. Preventative Maintenance of INC Cable

The Utility may provide preventative maintenance of INC cable facilities (excluding supporting structures) within a customer's building or between buildings on a customer's continuous property.

Preventative maintenance includes the review and incidental repair of INC cable facilities for damage or deterioration caused by natural causes. Review of INC cable facilities is limited to that cable that is readily accessible to the Utility and excludes facilities that are located in conduit or duct or otherwise enclosed.

b. Transmission Quality and Circuit Interference Review (Spectrum Management)

The Utility may, on an as needed basis, provide transmission quality and circuit interference review, spectrum management, of INC cable. Spectrum management includes the review of media transmission types transported over the INC cable and their compatibility.

Where conflicting medias are under the same sheath/binder group of INC cable, the Utility will advise the customer(s) responsible for the services of the conflict and recommend alternative routing.

NOTE 1: Frozen/Grandfathered INC Cable Service Agreement effective July 1, 2004, pending CPUC approval - See General Regulations, Schedule Cal.P.U.C. No. A2.1.1.

(N)

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.8 MAINTENANCE AND REPAIR (Cont'd)

B. INC CABLE SERVICE AGREEMENT¹ (Cont'd)

(T)

3. Optional Services (Cont'd)

c. Capacity Fill and Media Application

On an annual basis, the Utility will provide a report of the condition and spare pair availability of INC cable. In addition, the Utility will provide a review of current INC cable facilities and the capability to support current end user services.

d. Reinstallation of Cross Connects Attached to INC Cable.

The Utility may provide repair or replacement of cross connect wire that is used to interconnect INC cable to other facilities.

NOTE 1: Frozen/Grandfathered INC Cable Service Agreement effective July 1, 2004, pending CPUC approval - See General Regulations, Schedule Cal.P.U.C. No. A2.1.1.

(N)

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.8 MAINTENANCE AND REPAIR (CONT'D)

(N)

C. PER VISIT INC CABLE MAINTENANCE AND REPAIR SERVICE

1. General

a. At the customer's request, the Utility may repair or replace INC cable and its associated facilities within a customer's building or between buildings on a customer's continuous property. The Utility will also repair or replace auxiliary equipment to support transmission performance requirements.

b. At the customer's request, the Utility will review non-standard INC cable and provide a time and materials quote to bring the INC cable, where possible, into compliance with the standards. Charges for materials used will be applicable in addition to the Per Visit charges in D., following. Installation charges set forth in Schedule Cal.P.U.C. No. A8.4.4 will apply for all INC cable upgrade activities.

c. Repair of INC cable service supports major or minor cable failures.

- Major failure is where more than 10 percent of the pair count available in the cable fails.

- Minor failure is where more than 2 percent but less than 10 percent of the pair count available in the cable fails.

Incidental failures of less than 2 percent are supported by changing the effected circuit(s) to spare pair(s) within the INC cable. At the customer's request and the Utility's concurrence, the Utility may repair incidental failures rather than changing to spare pairs.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.8 MAINTENANCE AND REPAIR (CONT'D)

C. PER VISIT INC CABLE MAINTENANCE AND REPAIR SERVICE (CONT'D)

1. General (Cont'd)

d. The Utility will provide documentation of the repair completed including:

- Cable type if changed from the original
- Revised pair count and availability
- Tested cable parameters
- Recertification of compliance with standards set forth in Schedule Cal.P.U.C. No. A8.4.2.

e. In addition to INC cable repair services, the Utility will offer other services at the charges set forth in D., following but not limited to:

- Preventative Maintenance of INC Cable
- Transmission Quality and Circuit Interference Review
- Capacity Fill and Media Application

f. Charges for materials used by the Utility are in addition to the Per Visit charge in D., following.

(N)

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.8 MAINTENANCE AND REPAIR (Cont'd)

D. CHARGES

1. INC Cable Service Agreement Charges¹

(T)

All charges are payable in advance.

a. Basic Repair Service

1 percent of the capital value of the INC cable infrastructure or a minimum of \$90.00.

b. Optional Services

(1) Preventative Maintenance of INC Cable

.2 percent of the capital value of the INC cable infrastructure or a minimum of \$22.00.

(2) Transmission Quality and Circuit Interference Review

.3 percent of the capital value of the INC cable infrastructure or a minimum of \$30.00.

(3) Capacity Fill and Media Application

.3 percent of the capital value of the INC cable infrastructure or a minimum of \$25.00.

(4) Cross Connect

.3 percent of the capital value of the INC cable infrastructure or a minimum of \$23.00.

NOTE 1: Frozen/Grandfathered INC Cable Service Agreement effective July 1, 2004, pending CPUC approval - See General Regulations, Schedule Cal.P.U.C. No. A2.1.1.

(N)

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (Cont'd)

8.4.8 MAINTENANCE AND REPAIR (Cont'd)

D. CHARGES (Cont'd)

1. INC Cable Service Agreement Charges² (Cont'd) (T)

c. Condition Adjustment Charge

Charges listed in a. and b., preceding, may be adjusted to compensate (T)
 for additional Service Agreement expenses as follows:

Condition	Adjustment	Criteria
Excellent	No change	Like new or equivalent
Fair	+ .5%	As determined by the Utility
		May need repair in the near future. Evidence of, or excessive exposure to wear, damage, or loss of structural support.
		Cable located in hazardous or restricted access locations.

2. Per Visit Charge¹

a. Charges for materials used are in addition to the charges in
 b. and c. following. Materials are priced based on delivery
 to the customer location, including applicable shipping
 charges and taxes.

b. Basic per hour or fraction thereof where the work
 performed is within the Utility's normal work schedule
 and where the Utility's normal work force is used. \$ 99.74

c. Premium, per hour or fraction thereof where the
 customer requests the work be performed outside the
 Utility's normal work schedule or where a special
 work force is used. \$118.74

NOTE 1: In addition to labor rates to install INC cable where the customer
 provides all or part of the material to complete the installation.
 All materials supplied must conform with the technical standards set
 forth in Schedule Cal.P.U.C. No. A8.4.2 before installation begins.

NOTE 2: Frozen/Grandfathered INC Cable Service Agreement effective (N)
 July 1, 2004, pending CPUC approval - See General Regulations, (N)
 Schedule Cal.P.U.C. No. A2.1.1.

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.8 MAINTENANCE AND REPAIR (CONT'D)

D. CHARGES (CONT'D)

3. Intrabuilding Network Cable - Capital Value Prices¹

(N)

NOTE 1: Prices listed reflect standard installation procedures and conditions for 24 gauge INC cable and apparatus only.

(N)

Continued

NETWORK AND EXCHANGE SERVICES

A8. CONNECTIONS OF PREMISES EQUIPMENT TO EXCHANGE SERVICES

8.4 INTRABUILDING NETWORK CABLE (CONT'D)

8.4.8 MAINTENANCE AND REPAIR (CONT'D)

D. CHARGES (CONT'D)

3. Intrabuilding Network Cable - Capital Value Prices (Cont'd)

CAPITAL VALUE MATRIX

The listed matrix may be used by the Utility in the determination of the total capital value of INC facilities in association with INC Service Agreement pricing. The value matrix includes in each of the categories a state-wide average factoring for type of cable, number of pairs in the cable, total combined length of the cable, number of splices in the cable and number of terminals attached to the cable.

Total capital value is based on the relationship of building type and total square footage of the building. Buildings are divided into two categories:

a. Category A - Warehouse and Retail Store Front Buildings

Value calculated as $(.05395) * \text{Square Feet}$

b. Category B - Single Story to Mid-Rise Buildings

Value calculated as $(-2000) + (.10686 * \text{Square Feet})$

Total capital value is determined by first locating the total building square footage on the vertical axis. Square footage should be rounded up to the nearest increment listed on the matrix. Moving horizontally to the point of intersection with the line representing the building category, and then dropping vertically to the horizontal axis of the chart, the total capital value can be estimated. Estimates will be rounded up to the nearest value increment listed on the matrix.

Total capital values of INC facilities in building profiles that are outside of the parameters of the value matrix, as well as, all continuous property locations may be calculated by the Utility through broad gauge estimates.

(N)

(N)

Continued

NETWORK AND EXCHANGE SERVICES

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M. J. Miller

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Material omitted now on Sheet 55.

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Material omitted now on Sheets 56 and 57.

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Material omitted now on Sheet 58.

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