

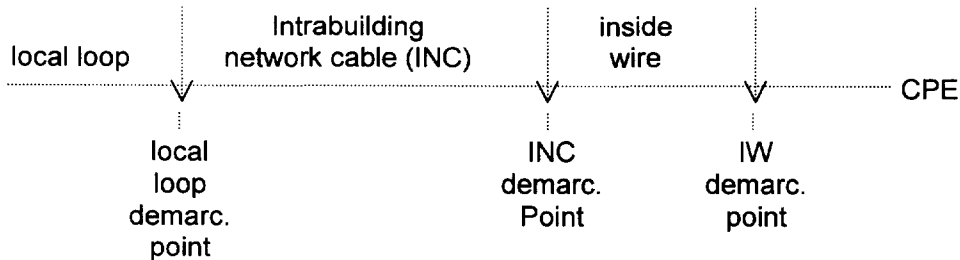
**Rule No. 27**  
**DEMARCATIION POINTS**

**APPROVED**

**A. Responsibilities**

1. The Utility is responsible for the provisioning and maintenance of its facilities, equipment, and services to the local loop demarcation point (LLDP), including those located at that point.
2. The property owner/landlord/agent, and/or end-user customer is responsible for the completion of services beyond the Utility's LLDP.
3. Services requested beyond the LLDP may be provided by the Utility at the customer's expense.
4. There are three different demarcation points:
  - a. local loop demarcation point
  - b. intrabuilding network cable (INC) demarcation point
  - c. inside wire (IW) demarcation point.

The demarcation point is located at the end nearest the customer premises equipment (CPE) of the facility being considered. The following diagram generally illustrates the location of all three demarcation points.



**B. Local Loop Demarcation Point (LLDP)**

1. The Utility's LLDP separates the Utility's network responsibility for its facilities, equipment, and services from that of the property owner/landlord/agent, or end-user customer. This demarcation point designates the end of the Utility's network facilities (local loop) and the beginning of the property owner's facilities.

(C)

INC cable infrastructure located on the customer's side of the Utility's LLDP is the responsibility of the building or property owner/landlord/agent as of August 8, 1993.

Where an LLDP lacks sufficient power and/or space to support provisioning of new service, such service will be provisioned as close as practicable to the existing demarcation point.

(Continued)

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**Paul E. Pederson**  
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**DEMARCATIION POINTS**  
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B. Local Loop Demarcation Point (LLDP) – (Continued)

2. The LLDP may also be referred to as the Minimum Point of Entry (MPOE) or Minimum Point of Presence (MPOP) for the purpose of defining the end of the Utility's network facilities.
3. For copper land-line facilities, the LLDP is located at the MPOE/MPOP to any continuous single or multi-story building, and includes the Utility's entrance facility, except as set forth in 7. following. The Utility will not be required to place its demarcation point on more than one floor of a multi-story building. (T)
4. In the case of mobilehome parks, the LLDP is one or more Standard Network Interface (SNI) mounted on one or more poles, stubs, or mobilehome pedestals located within 18 inches of the mobilehome. If the mobilehome is located over 18 inches from the SNI, the inside wire or INC must be buried in flexible duct between the SNI and the structure. (T)
5. The LLDP shall be accessible to the Utility at all times (24 hours a day).
6. Only Utility authorized personnel are allowed to install or repair LLDP facilities.
7. Exceptions:
  - a. Emergency Reporting Services (E911/911): The demarcation point is at the Utility-provided terminal equipment, including the equipment that has been provided by the Utility.
  - b. Non-Modular Disabled Services: Where non-modular customer provided equipment is provided by the Utility in accordance with FCC/CPUC rules, the LLDP is located at the CPE.
  - c. Utility-provided Semi-Public and Public Coin Services: The demarcation point is at the equipment at the location requested by the end-user customer or property owner, and includes the equipment.
  - d. Direct Feed Cable: If a property owner desires an additional LLDP(s) at a specified location on a customer's premises for purposes of providing service assurance, safety, security, and privacy of data communications over the cable (generally known as direct feed), the owner will be required to pay for the additional network cable and network facilities through special construction agreements. Additional LLDP's cannot be used to extend any cable pairs from one building to another building.

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B. Local Loop Demarcation Point (LLDP) – (Continued)

7. Exceptions: (Continued)

- e. Fiber Optic Cable: The demarcation point is at the Utility provided Fiber Optic Terminal (FOT) equipment. The Utility's responsibility includes the FOT equipment where the equipment has been provided by the Utility.
- f. Carrier Points of Presence ("POP"): LLDP guidelines are not applicable for access services provisioned to common carriers, including access services provided to interexchange carriers, local exchange carriers, and radio carriers (both private carriers and common carriers as defined by applicable Federal Communications Commission regulations) Point of Presence location. However, LLDP rules do apply to all Utility provided service(s) when the Utilities, including interexchange carriers are acting in the capacity of end users of the services.

8. Relocation of the MPOE/LLDP

- a. Applicable to continuous multi-tenant property, the Utility must relocate the MPOE/LLDP, as requested by the property owner, or by his or her agent, provided that the following conditions are met: a) The property owner agrees, and has the ability to pay for all relocation expenses reasonably incurred, b) Relocation is technically feasible (The Utility bears the burden of proving technical infeasibility).
- b. Relocation is not prohibited by applicable local, state or federal laws, rules or regulations.
- c. To the extent that the relocation of the MPOE/LLDP results in Utility property being transferred to the property owner, the Utility shall charge the property owner the net book value (recorded cost less accumulated depreciation) of the property. For copper land-line facilities only, the LLDP shall be located at the MPOE.

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C. Intrabuilding Network Cable (INC) Demarcation Point

- 1. The INC demarcation point separates the property owner/landlord/agent's responsibility to provide INC from the property owner and/or end-user customer's responsibility to provide inside wire, a standard jack(s), and customer-provided equipment (CPE). This demarcation point designates the end of the INC provided by the property owner/landlord/agent and the beginning of simple or complex inside wire.
- 2. The INC demarcation point is located at the distribution terminal(s) on each floor in a multi-story building, except as set forth in 3. following and B.7. preceding.
- 3. Where there is no INC, or it is in a single story building, the demarcation point is the Utility's local loop demarcation point.

D. Inside Wire Demarcation Point

- 1. The inside wire demarcation point is located where CPE is connected to the inside wire. This demarcation point designates the end of the inside wire and the beginning of CPE facilities.

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DEMARCATIION POINTS  
(Continued)

D. Inside Wire Demarcation Point (Continued)

- 2. The inside wire demarcation point separates the inside wire vendor's responsibility from that of the CPE vendor. This demarcation point, where the Utility is the vendor of choice for inside wire repair and CPE trouble isolation, begins where the customer's inside wire connects to the INC. Where there is no INC, the inside wire begins at LLDP.

E. Continuous Property

- 1. Demarcation Points on Existing Continuous Property (As of August 8, 1993)
  - a. For existing continuous property the Utility will designate the main distribution terminal which is the local loop demarcation point for each local loop serving the property for purposes of the unbundling of INC in each building. Where there is not a main distribution terminal on existing continuous property, the current serving arrangements will not change unless and until such time as a rearrangement or reinforcement of serving arrangement and/or additional plant is required after August 8, 1993. At that time the Utility will treat such property as new continuous property as described in Rule No. 1.
  - b. The Utility will assist building owners, at no charge, to designate the primary demarcation point until August 31, 1998. The Utilities will designate the primary demarcation point for new or renovated buildings or properties upon completion of construction.

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DEMARCATIION POINTS  
(Continued)

E. Continuous Property (Continued)

1. Demarcation Points on Existing Continuous Property (As of August 8, 1993) - (Continued)

c. INC within buildings (riser and lateral) that was in place prior to August 8, 1993, will be the responsibility of the continuous property owner after that date. All rearrangements and/or maintenance will be the responsibility of the continuous property owner.

(1) Utility owned plant facilities between buildings on existing continuous property may be purchased by the property owner upon mutual agreement between the continuous property owner and the Utility.

(2) The Utility is responsible for the investment and its maintenance where the Utility retains ownership of plant facilities between buildings on an existing continuous property. The Utility's responsibility applies to all investments, excluding INC.

2. Demarcation Points on New Continuous Property (As of August 8, 1993)

a. For new continuous property, regardless of use, the Utility's local loop demarcation point will be at the appropriate main distribution terminal as determined by negotiations between the property owner and the Utility. Where an agreement cannot be reached, the Utility will designate the local loop demarcation point location.

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DEMARCATIION POINTS  
(Continued)

E. Continuous Property (Continued)

2. Demarcation Points on New Continuous Property (As of August 8, 1993) - (Continued)

b. It is the property owner's responsibility to provide and maintain INC within and between buildings on a continuous property. The Utility may, at the customer's request and expense, provide intrabuilding network cable.

3. Additional local loop demarcation point (LLDP):

a. Where an owner of continuous property requests additional LLDP or changes an existing LLDP, the owner will be required to pay for any additional network cable and facilities required through special construction agreements except as provided in B.7 preceding.

b. Additional LLDPs cannot be used to extend any cable pairs served from a LLDP at one location to any other location (from one building to another building) on continuous property.

4. Termination Facilities:

The building owner must provide adequate termination facilities in accordance with INC regulations and standards detailed in Schedule No. A-26.

5. Mobilehome Parks:

Although mobilehome parks may be located on continuous property, mobilehome parks shall not be considered continuous property as defined in Rule No. 1. Instead, service to mobilehome parks shall be provided consistent with service to residential single-family detached home subdivisions.

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DEMARCATIION POINTS  
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E. Continuous Property (Continued)

6. Waiver of Single Local Loop Demarcation Point

At the request of a property owner, the Utility may waive the designation of a single Local Loop Demarcation Point for a Continuous Property if, due to the unique characteristics of the property, a hardship would be created for the property owner and/or the Utility. Examples of such Continuous Property include

(a) National, state, and local parks, beaches, highways, harbors and similar publicly-owned property and

(b) Railroad rights-of-way and extensive privately-owned tracts of land with developed communities and similar privately-owned property. The Utility will treat land within the boundaries of private property under (b) above that has the characteristics of Continuous Property, e.g., (a) it is wholly leased by a single individual or entity and (b) it contains multiple buildings, as Continuous Property.

This waiver is not intended to waive the unbundling of Intrabuilding Network Cable and Network Terminating Wire in each building as provided elsewhere in this tariff section.

F. Properties Under Development

(N)

1. The Utility will determine serving arrangements for properties under development according to the intended use of the property immediately following completion of construction. Under this condition, parcelized continuous property may be served as if the parcels were individually owned properties. Where the immediate intended use of parcelized continuous property is not clear, the Utility may provision each parcel under special construction arrangements. In accordance with the provision of Rule 16 if, within three years after the special construction billing date, the subdivided properties have been sold or held under separate ownership, the Utility will reimburse any special construction charges previously paid in connection with such properties. If the subdivided properties have not been sold or held under separate ownership within such three-year period, the Utility will not reimburse any special construction charges previously paid in connection with such properties.

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**Rule No. 27**  
**DEMARICATION POINTS**  
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G. Joint Trenches

1. For jointly-used trenches, the demarcation point will be located at the building, rather than at the edge of the property. Customers who request a demarcation point at the property line will be required to retrench the INC, as required by the energy utility.

H. Service Provisioning Cross-Connect (SPC)

1. SPCs may be removed or changed when a customer switches from one provider to another.
2. SPCs shall be owned by the facilities-based carrier that provides service to the customer.
3. In the case of customers served by resellers, the underlying facilities-based carrier shall own the SPCs.
4. Utilities shall not remove or disconnect SPC's if it will result in a violation of Public Utilities Code Section 2883.
5. Existing SPCs need not be removed and replaced by SPCs owned by the facilities-based carrier that provides service to the customer until:
  - a. The customer transfers to a new carrier.
  - b. The customer orders any changes to his or her service that would require movement or removal of existing SPCs.
  - c. Existing SPCs must be removed for maintenance, repair or other legitimate purposes.
6. When a tenant switches service from one utility to another, the new carrier shall not disconnect the previous carrier's SPCs until at least 24-hours after the previous carrier has been notified of the switch. Notice may be made by phone, or by any other means where such other means are available.
7. Whenever a utility removes another carrier's SPC's, it shall do so in a safe manner that causes no harm to another carrier's facilities.

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I. Utility Network Cross-Connect (UNC)

Wires that connect the Utility's building entrance terminal to the Utility's network access termination point, e.g., ready access terminals (RATs) or Network Interface Units (NIUs). Such cross-connect do not connect directly to the building owner's access terminal. They need not be altered in order for another utility to provide service to customers. Therefore, they need not be accessible to other utilities or the building owners. As a result, such cross-connects are part of the utility's network. These cross-connects will be identified as Utility Network Cross-Connects (UNCs).

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