

# **Customer Premises Wire Policy For Access, UNE, and Resale Services**

## **GENERAL POLICY**

Non-regulated Wiring, also referred to as Customer Premises Wiring (CPW), is defined as any wiring placed on the customer's side of the network interface (NI, NID, or SNI). The network interface is placed at the demarcation point (DP). (The demarcation point can also be referred to as the MPOE, MPOP, or NETPOP). The network interface is considered the handoff between SBC and the customer/end user. It is the end of the regulated network and the beginning of the non-regulated network. SBC will provide wire and equipment beyond the demarcation point on a non-regulated basis. After installation the customer owns the wire, cable, and/or equipment beyond the demarcation point. Non-regulated wiring is billable on a time and material basis or as a flat rate charge. Charges vary by region. For applicable rates, contact the account team.

Non-regulated wire is terminated on a Service Interface (SI). The Network Interface Device (NID) is never installed beyond the Demarcation Point (DP). Connection between the Network Interface and the Service Interface can be accomplished using existing wiring or a technician can place new or additional wiring. If existing wiring provides for proper transmission of the service, then the non-regulated wiring work can be done using the existing wire. If the existing wire has multiple appearances (different buildings, different floors), faults, or impairments that would cause the service to fail, then before the wire can be used, the pairs must be cleared and brought into proper usable condition. If a technician uses existing wiring, SBC will not warrant the wire, only the workmanship of the labor. If the technician is to install non-regulated wiring and is required to pull wire, the customer is required to provide a suitable pathway or supporting structure (i.e. conduit and pull string). Wire pulled by technicians will always meet current company standards or better.

## **REQUIREMENTS**

### **Standard Right of Refusal**

There are three basic guidelines that all technicians follow when doing non-regulated wiring work. The following list shows the guidelines that must be met before non-regulated wiring work will be completed. The answer to each question must be yes before the non-regulated work request is accepted. If the answer to any of the requirements is no, the wiring work will be refused.

- Work being requested must be able to be completed safely.
- Service parameters at the service interface must be able to be met upon completion of the work.
- Valid SBC billing account number must be provided.

### **Non-Regulated Wiring Requirements for Analog/Digital Data DS0 Installations**

#### **Standard Copper Wiring Recommendations**

- Category 3 or higher
- 24 Gauge Unshielded Twisted Pair (UTP)
- 4 pair minimum

#### **Standard Cabling Design**

- Star Topology Configuration
- Maximum wiring run of 295'
- No bridge tap

### **Non-Regulated Wiring Requirements for DS1 Installations**

#### **Standard Copper Wiring Recommendations**

- Category 5 or higher
- 24 Gauge Shielded or Unshielded Twisted Pair(UTP)
- 4 pair minimum

**NOTE:** There is a customer end section loop limitation of –22dB from the last network element to the SI. Total distance will include wiring between the NE and the NI.

### **Non-Regulated Wiring Requirements for DS3 Installations**

#### **Standard Coaxial Cable Recommendations**

- 734c or 735a 75 ohm rated cable or their verifiable equivalents will be used.
- The maximum cable length between the DSX-3 and connecting equipment is approximately 427.5 feet for 734c coaxial cable. If 735a cable is used, the maximum cable length between the DSX-3 and connecting equipment is approximately 227.5 feet.
- Standard non-regulated runs will be 450' or less and will not have any bends that will stress the cable or degrade the signal.
- Bends in the cable can impair signal quality.
- Conduit, Pull Boxes, and Pull Strings, when necessary, are to provided by the customer and be in place prior to installation of the service.

### **Non-Regulated Wiring Requirements for High Speed Ethernet Service Installations**

#### **Standard Electrical Termination Recommendations**

- Category 5T or higher
- 24 or 22 gauge twisted pair
- 4 pair minimum
- Maximum wiring run of 326'

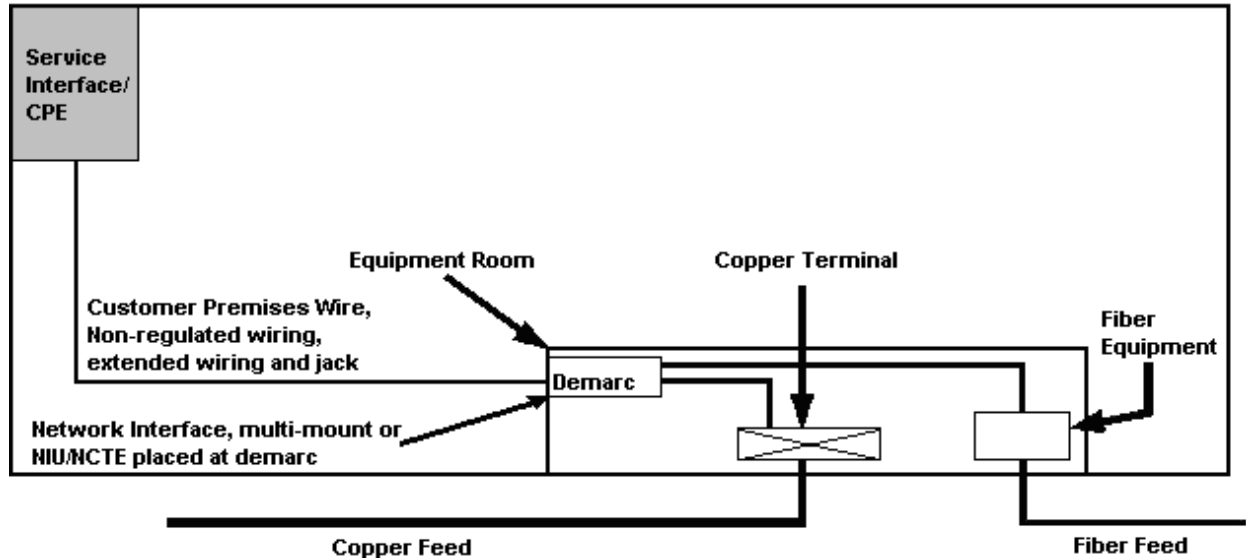
**NOTE:** Distance is measured from last network element to the SI. Total distance will include wiring between the NE and the NI.

#### **Standard Optical Termination Recommendations**

- Cable bend radius should not be less than 3-inches or 10 times the outer diameter of the cable.
- Cabling should have enough slack to handle any changes in equipment locations or routing of cable.
- Single mode 9-micron fiber cable that is riser or plenum rated with SC-UPC connectors.
- Multi mode 50/125-micron fiber cable that is riser or plenum rated with SC-UPC connectors.

- All fiber cabling placed in above or below floor rack systems must use protective tubing or Fiber Raceways.

**Figure 1: Typical Inside Wire Layout**



## ORDERING AND BILLING

Requests for SBC to install non-regulated wiring at the customer/end user's premises are to be done by way of an Access Service Request (ASR). If a request for non-regulated wiring is not received with the initial service request, an additional ASR is to be issued for the work. This ASR will carry a due date subsequent to the original due date.

### Interexchange Carrier

When an Access customer requests SBC to install non-regulated wiring at the end user's premises, the GETO and IWBAN field on the Access Service Request (ASR) must be populated.

The GETO field provides billing directions for any non-regulated work that is done. Valid entries for the GETO field may be found in the Access Service Ordering Guide (ASOG). However, SBC does not allow the GETO entry of "R". **If the GETO field is left blank, SBC will not perform inside wirework.**

**NOTE:** In the East region (previously SNET), GETO "W" is the only valid entry.

The IWBAN is used to provide SBC with a valid billing number. The account number could belong either to the IXC or to the end user. In either case it must be a **VALID** SBC billing number.

### Certified Local Exchange Carrier

As a policy SBC does not provide non-regulated service offerings on Certified Local Exchange Carrier (CLEC) Unbundled Network Element Accounts (UNE). Therefore, SBC technicians will not perform non-regulated installation or maintenance work on the CLEC/customer/end user side of the Network Interface (NI), which is located at the Demarcation Point (DP).

SBC will provide non-regulated installation work on Resale POTS accounts when the CLEC has a non-regulated customer premises wire agreement with SBC, and such agreement covers the specific end user and the work being requested. Without such an agreement, no work is to be done beyond the NI. SBC does not provide the same non-regulated work for any design services that are resold by a CLEC (example: DS1, DDS, etc.).

**NOTE:** SBC East currently does not offer customer premises wire agreements for Resold accounts.