

§ 68.214 Changes in other than “fully protected” premises wiring that serves fewer than four subscriber access lines.

Operations associated with the installation, connection, reconfiguration and removal (other than final removal) of premises wiring that serves fewer than four subscriber access lines must be performed as provided in § 68.215(c) if the premises wiring is not “fully protected.” For this purpose, the supervisor and installer may be the same person.

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§ 68.215 Installation of other than “fully protected” system premises wiring that serves more than four subscriber access lines.

(a) *Types of wiring authorized*—(1) *Between equipment entities.* Unprotected premises wiring, and protected premises wiring requiring acceptance testing for imbalance, may be used to connect separately-housed equipment entities to one another.

(2) *Between an equipment entity and the public switched telephone network interface(s).* Fully-protected premises wiring shall be used to connect equipment entities to the public switched telephone network interface unless the provider of wireline telecommunications is unwilling or unable to locate the interface within 7.6 meters (25 feet) of the equipment entity on reasonable request. In any such case, other than fully-protected premises wiring may be used if otherwise in accordance with these rules.

(3) *Hardware protection as part of the facilities of the provider of wireline telecommunications.* In any case where the carrier chooses to provide (and the customer chooses to accept, except as authorized under paragraph (g) of this section), hardware protection on the network side of the interface(s), the presence of such hardware protection will affect the classification of premises wiring for the purposes of § 68.215, as appropriate.

(b) *Installation personnel.* Operations associated with the installation, connection, reconfiguration and removal (other than final removal of the entire premises communications system) of other than fully-protected premises

wiring shall be performed under the supervision and control of a supervisor, as defined in paragraph (c) of this section. The supervisor and installer may be the same person.

(c) *Supervision.* Operations by installation personnel shall be performed under the responsible supervision and control of a person who:

(1) Has had at least six months of on-the-job experience in the installation of telephone terminal equipment or of wiring used with such equipment;

(2) Has been trained by the registrant of the equipment to which the wiring is to be connected in the proper performance of any operations by installation personnel which could affect that equipment’s continued compliance with these rules;

(3) Has received written authority from the registrant to assure that the operations by installation personnel will be performed in such a manner as to comply with these rules.

(4) Or, in lieu of paragraphs (c) (1) through (3) of this section, is a licensed professional engineer in the jurisdiction in which the installation is performed.

(d) *Workmanship and material requirements*—(1) *General.* Wiring shall be installed so as to assure that there is adequate insulation of telephone wiring from commercial power wiring and grounded surfaces. Wiring is required to be sheathed in an insulating jacket in addition to the insulation enclosing individual conductors (see below) unless located in an equipment enclosure or in an equipment room with restricted access; it shall be assured that this physical and electrical protection is not damaged or abraded during placement of the wiring. Any intentional removal of wiring insulation (or a sheath) for connections or splices shall be accomplished by removing the *minimum* amount of insulation necessary to make the connection or splice, and insulation equivalent to that provided by the wire and its sheath shall be suitably restored, either by placement of the splices or connections in an appropriate enclosure, or equipment rooms with restricted access, or by using adequately-insulated connectors or splicing means.