

local laws or ordinances, whichever are more stringent.

(k) Battery polarity and conductor identification shall be maintained throughout the system as indicated on construction drawings 815 and 815-1 contained in §1755.510. Color codes and other means of conductor identification of buried and aerial service wires shall conform to the requirements of this section and §§1755.504 through 1755.510.

(l) All materials for which RUS makes acceptance determinations, such as service wires and cables, ground rods, ground rod clamps, etc., used in service entrance installations shall be RUS accepted or RUS technically accepted. Borrowers shall require contractors to obtain the borrower's approval before RUS technically accepted materials are to be used in service entrance installations. Borrower's shall also ensure that the cost of the RUS technically accepted materials are at least 6 percent less than the cost of equivalent RUS accepted materials, as specified in "Buy American" Requirement of the Rural Electrification Act of 1938, as amended (7 U.S.C. 903 note). Materials used in service entrance installations which are of the type which RUS does not make acceptance determinations shall be of a suitable quality for their intended application as determined by the RUS borrower or the engineer delegated by the RUS borrower.

(m) On completion of an installation, borrowers shall require the installer to make all applicable tests required by §§1755.400 through 1755.407, RUS standard for acceptance tests and measurements of telecommunications plant.

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**§ 1755.504 Demarcation point.**

(a) The demarcation point (DP) provides the physical and electrical interface between the telecommunications company's facilities and the customer's premises wiring.

(b) The Federal Communications Commission (FCC) rules in 47 CFR part 68 require telecommunications providers to establish a "DP" which marks a separation of the provider's facilities from the customer's (owned) premises wiring and equipment.

(c) RUS borrowers shall observe the FCC DP requirement by installing NIDs, BETs, or fused primary station protectors when required by section 800-30(a)(2) of ANSI/NFPA 70-1999, *NEC*®, at all new or significantly modified customer access locations which are financed with RUS loan funds. *The National Electrical Code*® and *NEC*® are registered trademarks of the National Fire Protection Association, Inc., Quincy, MA 02269. The ANSI/NFPA 70-1999, *NEC*®, is incorporated by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies are available from NFPA, 1 Batterymarch Park, P. O. Box 9101, Quincy, Massachusetts 02269-9101, telephone number 1 (800) 344-3555. Copies of ANSI/NFPA 70-1999, *NEC*®, are available for inspection during normal business hours at RUS, room 2905, U.S. Department of Agriculture, 1400 Independence Avenue, SW., STOP 1598, Washington, DC 20250-1598 or at the Office of the Federal Register, 800 North Capitol Street, NW., Suite 700, Washington, DC.

(d) For all customer access locations of less than 12 pairs, RUS borrowers shall establish DPs by using either NIDs or fused primary station protectors when required by section 800-30(a)(2) of ANSI/NFPA 70-1999, *NEC*®. For customer access locations of 12 pairs or greater, RUS borrowers shall establish DPs using either NIDs, BETs, or fused primary station protectors when required by section 800-30(a)(2) of ANSI/NFPA 70-1999, *NEC*®.

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**§ 1755.505 Buried services.**

(a) Buried services of two or three pairs shall consist of Service Entrance Buried (SEB) assembly units, in accordance with RUS Bulletin 1753F-153 (RUS Form 515d), Specifications and Drawings for Service Installations at Customer Access Locations. The wire used for buried services shall conform to the requirements of §1755.860, RUS specification for filled buried wires, and shall be RUS accepted or RUS technically accepted. The conductor size for two and three pair buried service wires shall be 22 American Wire Gauge (AWG). Copies of RUS Bulletin 1753F-153 are available upon request