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[66 FR 43317, Aug. 17, 2001, as amended at 69 FR 18803, Apr. 9, 2004]

**§ 1755.501 Definitions applicable to §§ 1755.501 through 1755.510.**

For the purpose of this section and §§ 1755.502 through 1755.510, the following terms are defined as follows:

*American National Standards Institute (ANSI)*. A private sector standards coordinating body which serves as the United States source and information center for all American National Standards.

*Ampacity*. As defined in the ANSI/NFPA 70-1999, *NEC*®: The current, in amperes, that a conductor can carry continuously under the conditions of use without exceeding its temperature rating. (Reprinted with permission from NFPA 70-1999, the *National Electrical Code*®, Copyright© 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.) 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. Cop-

ies 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 National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

*AWG*. American Wire Gauge.

*BET*. Building entrance terminal.

*Bonding (Bonded)*. As defined in the ANSI/NFPA 70-1999, *NEC*®: The permanent joining of metallic parts to form an electrically conductive path that will ensure electrical continuity and the capacity to conduct safely any current likely to be imposed. (Reprinted with permission from NFPA 70-1999, the *National Electrical Code*®, Copyright© 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.)

*Bonding harness wire*. A reliable electrical conductor purposefully connected between metal parts which are required to be electrically connected (bonded) to one another to ensure the metal parts are at similar electrical potential.

*Building entrance terminal (BET)*. A BET is comprised of a housing suitable for indoor and outdoor installation which contains quick-connect or binding post terminals for terminating both telecommunications service cable conductors and inside wiring cable conductors. The BET also includes primary station protectors and a means of terminating the metallic shields of service entrance cables.

*Demarcation point (DP)*. As defined in the Federal Communications Commission (FCC) rules in 47 CFR part 68: The point of demarcation or interconnection between telecommunications company communications facilities and terminal equipment, protective apparatus, or wiring at a subscriber's premises. Carrier-installed facilities at, or constituting, the demarcation point

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shall consist of wire or a jack conforming to subpart F of 47 CFR part 68. "Premises" as used herein generally means a dwelling unit, other building or a legal unit of real property such as a lot on which a dwelling unit is located, as determined by the telecommunications company's reasonable and nondiscriminatory standard operating practices. The "minimum point of entry" as used herein shall be either the closest practicable point to where the wiring crosses a property line or the closest practicable point to where the wiring enters a multiunit building or buildings. The telecommunications company's reasonable and nondiscriminatory standard operating practices shall determine which shall apply. The telecommunications company is not precluded from establishing reasonable clarifications of multiunit premises for determining which shall apply. Multiunit premises include, but are not limited to, residential, commercial, shopping center, and campus situations.

(1) *Single unit installations.* For single unit installations existing as of August 13, 1990, and installations installed after that date, the demarcation point shall be a point within 12 inches (in.) (305 millimeters (mm)) of the primary protector, where there is no protector, within 12 in. (305 mm) of where the telecommunications wire enters the customer's premises.

(2) *Multiunit installations.* (i) In multiunit premises existing as of August 13, 1990, the demarcation point shall be determined in accordance with the local carrier's reasonable and nondiscriminatory standard operating practices. Provided, however, that where there are multiple demarcation points within the multiunit premises, a demarcation point for a customer shall not be further inside the customer's premises than a point 12 in. (305 mm) from where the wiring enters the customer's premises.

(ii) In multiunit premises in which wiring is installed after August 13, 1990, including additions, modifications, and rearrangements of wiring existing prior to that date, the telecommunications company may establish a reasonable and nondiscriminatory practice of placing the demarcation point at the minimum point of entry. If the tele-

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communications company does not elect to establish a practice of placing the demarcation point at the minimum point of entry, the multiunit premises owner shall determine the location of the demarcation point or points. The multiunit premises owner shall determine whether there shall be a single demarcation point for all customers or separate such locations for each customer. Provided, however, that where there are multiple demarcation points within the multiunit premises, a demarcation point for a customer shall not be further inside the customer's premises than a point 12 in. (305 mm) from where the wiring enters the customer's premises.

*DP.* Demarcation point.

*Eligible country.* Any country that applies with respect to the United States an agreement ensuring reciprocal access for United States products and services and United States suppliers to the markets of that country, as determined by the United States Trade Representative.

*FCC.* Federal Communications Commission.

*Fuse link.* As defined in the ANSI/NFPA 70-1999, *NEC*<sup>®</sup>: A fine gauge section of wire or cable that serves as a fuse (that is, open-circuits to interrupt the current should it become excessive) that coordinates with the telecommunications cable and wire plant, and protective devices. (Reprinted with permission from NFPA 70-1999, the *National Electrical Code*<sup>®</sup>, Copyright<sup>®</sup> 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.)

*Grounding conductor.* As defined in the ANSI/NFPA 70-1999, *NEC*<sup>®</sup>: A conductor used to connect equipment or the grounded circuit of a wiring system to a grounding electrode or electrodes. (Reprinted with permission from NFPA 70-1999, the *National Electrical Code*<sup>®</sup>, Copyright<sup>®</sup> 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on

the referenced subject which is represented only by the standard in its entirety.)

*Listed.* As defined in the ANSI/NFPA 70-1999, *NEC*®: Equipment, materials, or services included in a list published by an organization that is acceptable to the authority having jurisdiction and concerned with evaluation of products or services, that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services, and whose listing states that either the equipment, material, or services meets identified standards or has been tested and found suitable for a specified purpose. (Reprinted with permission from NFPA 70-1999, the *National Electrical Code*®, Copyright © 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.)

*Manufactured home.* As defined in the ANSI/NFPA 70-1999, *NEC*®: A factory-assembled structure or structures that bears a label identifying it as a manufactured home that is transportable in one or more sections, that is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation where connected to the required utilities, and includes the plumbing, heating, air conditioning, and electric systems contained therein. Unless otherwise indicated, the term “mobile home” includes manufactured homes. Fine Print Note (FPN) No. 1: See the applicable building code for definition of the term permanent foundation. FPN No. 2: See 24 CFR part 3280, Manufactured Home Construction and Safety Standards, of the Federal Department of Housing and Urban Development for additional information on the definition. (Reprinted with permission from NFPA 70-1999, the *National Electrical Code*®, Copyright © 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.)

*Mobile home.* As defined in the ANSI/NFPA 70-1999, *NEC*®: A factory-assembled structure or structures transportable in one or more sections that is built on a permanent chassis and designed to be used as a dwelling without a permanent foundation where connected to the required utilities, and includes the plumbing, heating, air-conditioning, and electric systems contained therein. Unless otherwise indicated, the term “mobile home” includes manufactured homes. (Reprinted with permission from NFPA 70-1999, the *National Electrical Code*®, Copyright © 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.)

*Motor home.* As defined in the ANSI/NFPA 70-1999, *NEC*®: A vehicular unit designed to provide temporary living quarters for recreational, camping, or travel use built on or permanently attached to a self-propelled motor vehicle chassis or on a chassis cab or van that is an integral part of the completed vehicle. (Reprinted with permission from NFPA 70-1999, the *National Electrical Code*®, Copyright © 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.)

*Network interface device (NID).* A NID is comprised of a housing suitable for outdoor installation which contains a compartment accessible by only telecommunications employees which includes a primary station protector and the means for terminating telecommunications service wire conductors and metallic shields, and a compartment accessible by customers which includes an RJ-11 plug and jack of the type specified in the FCC rules in 47 CFR part 68.

*NID.* Network interface device.

*Primary station protector.* An assembly which complies with RUS Bulletin 345-39, RUS Specification for Telephone

Station Protectors. Copies of RUS Bulletin 345–39 are available upon request from RUS, U.S. Department of Agriculture (USDA), 1400 Independence Avenue, SW., STOP 1522, Washington, DC 20250–1522, FAX (202) 720–4120.

*Qualified Installer.* A person who has extensive installation experience, complete knowledge and understanding of RUS Bulletin 1751F–805, Electrical Protection At Customer Locations; RUS Bulletin 1753F–153 (RUS Form 515d), Specifications and Drawings for Service Installations at Customer Access Locations, and applicable portions of the ANSINFPA 70–1999, *NEC*®, and ANSI/IEEE C2–1997, *NESC*. Copies of RUS Bulletins 1751F–805 and 1753F–153 are available upon request from RUS/USDA, 1400 Independence Avenue, SW., STOP 1522, Washington, DC 20250–1522, FAX (202) 720–4120.

*Recreational vehicle.* As defined in the ANSINFPA 70–1999, *NEC*®: A vehicular-type unit primarily designed as temporary living quarters for recreational, camping, or travel use, which either has its own motive power or is mounted on or drawn by another vehicle. The basic entities are: travel trailer, camping trailer, truck camper, and motor home. (Reprinted with permission from NFPA 70–1999, the *National Electrical Code*®, Copyright © 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.)

*RUS.* Rural Utilities Service.

*RUS accepted (material and equipment).* Equipment which RUS has reviewed and determined that:

(1) Final assembly or manufacture of the equipment is completed in the United States, its territories and possessions, or in an eligible country;

(2) The cost of components within the material or equipment manufactured in the United States, its territories and possessions, or in an eligible country is more than 50 percent of the total cost of all components used in the material or equipment; and

(3) The material or equipment is suitable for use on systems of RUS telecommunications borrowers.

*RUS technically accepted (material and equipment).* Equipment which RUS has reviewed and determined that the material or equipment is suitable for use on systems of RUS telecommunications borrowers but the material or equipment does not satisfy both paragraphs (1) and (2) of this definition:

(1) Final assembly or manufacture of the equipment is not completed in the United States, its territories and possessions, or in an eligible country; and

(2) The cost of components within the material or equipment manufactured in the United States, its territories and possessions, or in an eligible country is 50 percent or less than the total cost of all components used in the material or equipment.

*SEA.* Service entrance aerial.

*SEB.* Service entrance buried.

*Travel trailer.* As defined in the ANSINFPA 70–1999, *NEC*®: A vehicular unit, mounted on wheels, designed to provide temporary living quarters for recreational, camping, or travel use, of such size and weight as not to require special highway movement permits when towed by a motorized vehicle, and of gross trailer area less than 320 square feet (29.7 square meters). (Reprinted with permission from NFPA 70–1999, the *National Electrical Code*®, Copyright © 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.)

*Truck camper.* As defined in the ANSINFPA 70–1999, *NEC*®: A portable unit constructed to provide temporary living quarters for recreational, travel or camping use, consisting of a roof, floor, and sides, designed to be loaded onto and unloaded from the bed of a pick-up truck. (Reprinted with permission from NFPA 70–1999, the *National Electrical Code*®, Copyright © 1998, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is

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represented only by the standard in its entirety.)

[66 FR 43317, Aug. 17, 2001, as amended at 69 FR 18803, Apr. 9, 2004]

### § 1755.502 Scope.

(a) Sections 1755.503 through 1755.510 cover approved methods of making service installations at customer access locations in telecommunications systems of RUS borrowers.

(b) Requirements in §§ 1755.503 through 1755.510 cover facilities of the type described in the FCC rules in 47 CFR part 68 for one and multi-party customer owned premises wiring.

[66 FR 43317, Aug. 17, 2001]

### § 1755.503 General.

(a) For the purposes of this section and §§ 1755.504 through 1755.510, a NID shall be as defined in § 1755.501 and shall contain both a fuseless primary station protector and a modular plug and jack for each conductor pair, up to a maximum of 11 pairs, and shall be provided by the telecommunications company and used by customers.

(b) For the purposes of this section and §§ 1755.504 through 1755.510, BET shall be as defined in § 1755.501 and shall contain both primary station protectors and connector terminals for each conductor pair, of 12 or more pairs, and shall be provided by the telecommunications company and used by customers. The primary station protectors may be either fuseless or fused.

(c) The requirements provided in this section and §§ 1755.504 through 1755.510 have been designed to coordinate with the provisions of the ANSI/NFPA 70-1999, *NEC*®, and the American National Standards Institute/Institute of Electrical and Electronics Engineers, Inc. (ANSI/IEEE) C2-1997, National Electrical Safety Code (NESC). 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*®, and the ANSI/IEEE C2-1997, NESC, are incorporated by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of ANSI/NFPA 70-1999, *NEC*®, are available from NFPA, 1 Batterymarch Park, P.O. Box 9101, Quincy, Massachusetts

02269-9101, telephone number 1 (800) 344-3555. Copies of ANSI/IEEE C2-1997, NESC, are available from IEEE Service Center, 455 Hoes Lane, Piscataway, New Jersey 08854, telephone number 1 (800) 678-4333. Copies of the ANSI/NFPA 70-1999, *NEC*®, and the ANSI/IEEE C2-1997, NESC, 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 National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

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Most state and local authorities require that utility construction comply with either the ANSI/NFPA 70-1999, *NEC*®, and ANSI/IEEE C2-1997, NESC, or some earlier editions of the ANSI/NFPA 70, *NEC*®, and ANSI/IEEE C2, NESC. Some authorities have their own more stringent codes which may or may not be embellishments of the ANSI/NFPA 70, *NEC*®, and ANSI/IEEE C2, NESC.

(d) RUS borrowers shall make certain that all construction financed with RUS loan funds comply with:

(1) The provisions of this section and §§ 1755.504 through 1755.510 and the ANSI/NFPA 70-1999, *NEC*®, and ANSI/IEEE C2-1997, NESC codes, or any more stringent local codes; or

(2) The provisions of this section and §§ 1755.504 through 1755.510 with borrower added adjustments to bring construction into compliance with any more stringent local codes.

(e) This section and §§ 1755.504 through 1755.510 are intended primarily for the installer who will perform the work. It assumes that decisions regarding the selection of grounding electrodes, locations, and types of equipment have been made by the RUS borrower or the engineer delegated by the RUS borrower.

(f) Only a *qualified installer* as defined in § 1755.501 shall be assigned to make installations without advance planning and without direct supervision.

(g) This section and §§ 1755.504 through 1755.509 contain information which is normally not provided on the