

**Rural Utilities Service, USDA**

**§ 1755.701**

and connected. (Refer to RUS TE&CM 810, Items 2.19, 4.3.1 and 8.1.3.)

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

9.2 If there is a non-MGN ac power system, there is to be a properly sized and connected insulated conductor bond between the power service ground electrode and the MGB. (Refer to RUS TE&CM 810, Item 4.3.1.1.)

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

9.3 AC conductors including ground conductors serving 120-volt ac electric convenience receptacles and all direct wire peripheral equipment, located in the IGZ, should be sized in accordance with normal "green wire" criteria. (Refer to RUS TE&CM 810, Items 5.5.4, 5.5.5, and 5.5.6.)

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

9.4 Minimum protection for ac power serving the central office buildings should consist of an RUS accepted secondary arrester at the service entrance. (Refer to RUS TE&CM 810, section 9.)

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

9.5 A properly sized conductor for ground bonding between the standby power plant framework (not separately derived) and the MGB is to be provided to equalize framework voltages for personnel safety reasons. (Refer to RUS TE&CM 810, Item 4.2.4.)

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

**10. Miscellaneous**

10.1 All non-IGZ equipment frames, relay racks, cable racks and other ironwork are to be properly connected to the MGB. (Refer to TE&CM 810, Item 4.4.)

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

10.2 Shields on high frequency intra-office cables are to be properly isolated and connected only to an isolation ground bar in the relay rack. All shielded cables entering the IGZ should only be referenced at the IGZ ter-

mination point as given by the manufacturer. (Refer to RUS TE&CM 810, Item 7.2.1.2.)

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

10.3 Isolation ground bars in the relay racks are to be properly connected to the MGB with appropriate sized conductor with no sharp bends.

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

10.4 All radio equipment cabinet(s) are to be at least 10 feet (305 cm) from the IGZ.

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

10.5 The metal spare parts cabinet is to be grounded with a #6 AWG or larger insulated wire to non-IGZ cable rack, etc. or directly to the MGB.

Acceptable:  Yes  No

Comments: \_\_\_\_\_  
\_\_\_\_\_

[58 FR 30938, May 28, 1993; 58 FR 36252, July 6, 1993; as amended at 60 FR 1711, Jan. 5, 1995, 60 FR 64312, 64314, Dec. 15, 1995]

**§§ 1755.523-1755.699 [Reserved]**

**§ 1755.700 RUS specification for aerial service wires.**

§§ 1755.701 through 1755.704 cover the requirements for aerial service wires.

[61 FR 26074, May 24, 1996]

**§ 1755.701 Scope.**

(a) This section covers the requirements for aerial service wires intended for aerial subscriber drops.

(b) The aerial service wires can be either copper coated steel reinforced or nonmetallic reinforced designs.

(c) For the copper coated steel reinforced design, the reinforcing members are the conductors.

(1) The conductors are solid copper-covered steel wires.

(2) The wire structure is completed by insulating the conductors with an overall extruded plastic insulating compound.