Scope: This policy establishes the guidelines/requirements for Emergency Responder Radio Coverage testing in new construction.

Description:
Section 510 of the IFC mandates that all new buildings have approved radio coverage for emergency responder communication systems and IFC 510.1 Exception 2 provides that the fire official can determine when that coverage is not needed. Poudre Fire Authority will waive the testing requirement and the system installation in all buildings less than 10000 square feet and any Type V construction building less than 15000 square feet. This policy does not waive the requirement for testing and installation of systems in existing buildings when it is determined that there are coverage issues during normal response activities.

Basements: When a building is tested and determined to have adequate radio coverage except for a basement area, a system will not be required for that basement when the following conditions can be met and maintained.

1. The basement can be used only for storage purposes or mechanical equipment for the building.
2. A basement not exceeding 1500 square feet. 2500 square feet if basement is equipped with fire sprinklers.
3. No flammable or hazardous materials may be stored or used in the basement.
4. No more than 50% of the floor area may be utilized for the storage.
5. Storage must be kept orderly and cannot exceed 5 feet in height.
6. An approved sign must be placed at the entrance to the space that states “No Emergency Responder Radio Coverage beyond this point”. This sign must have a minimum ¾ inch high letters and be made of luminescent materials.