

# Permit Requirements Emergency Responder Radio System

## Kern County Fire Department



Office of the Fire Marshal ~ Fire Prevention  
2820 M St. ~ Bakersfield, CA 93301  
Telephone (661) 391-3310 ~ Fax (661) 636-0466/67  
**Website:** kerncountyfire.org  
**Email:** fireprevention@kerncountyfire.org



Please include completed Application for Permit (KCFD 200) with submittal

**Fee Amount: \$435.00**

**Fee Code: 1.11**

All buildings shall have approved emergency radio coverage for emergency responders within the building based on the existing coverage levels of the public safety communication systems of the jurisdiction at the exterior of the building. Exceptions are noted in **2019 California Fire Code (CFC) 510**.

The intent of this document is to aid in the construction permitting process including Change of Use/Occupancy for emergency responder radio system permits within commercial buildings or tenant spaces regarding what should be submitted for the Fire Marshal's Office review. Because every building differs the applicant **SHALL** follow **CFC 510** for any construction under review. Other Fire Department operational permits may be required.

1. Permits for installation of Emergency Responder Radio Systems shall be applied for at 2820 M St., Bakersfield, CA 93301.
2. Fee shall be submitted at time of application submittal. Make check payable to Kern County Fire Department. **Visa and MasterCard accepted.**
3. Permits shall comply with the 2019 California Fire Code (CFC) Chapter 5, Section 510.
4. The permit shall be obtained prior to the installation of the system.
5. Systems, components, and equipment required to provide the emergency responder radio coverage system shall comply with **CFC Sections 510**.
6. The building shall be considered to have acceptable emergency responder radio coverage when signal strength measurements in 95 percent of all areas on each floor of the building meet the signal strength requirements in **CFC Sections 510.4. 1.1 and 510.4.1.2**.
7. A minimum signal level shall be sufficient to provide not less than a delivered audio quality (DAQ) of 3.0.
8. The minimum qualifications of the system designer and lead installation personnel shall include both of the following:
  1. A valid FCC-issued general radio operators' license.
  2. Certification of in-building system training issued by a nationally recognized organization, school, or a certificate issued by the manufacturer of the equipment being installed.
9. The emergency responder radio coverage system installation and components shall also comply with all applicable federal regulations including, but not limited to, FCC 47 CFR Part 90.219.
10. An emergency shutdown switch shall be installed in an approved location and properly labeled.

11. Applicant must contact the Kern County Fire Department to determine the required radio frequencies based on the proposed geographic location of the Emergency Responder Radio System

Additional Requirements: \_\_\_\_\_

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Mailing Address:  
Kern County Fire Department  
2820 M St.  
Bakersfield, CA 93301  
Attn: Fire Prevention