

16.52.510 Emergency responder radio coverage.

(a) Emergency responder radio coverage in new buildings.

California Fire Code Section 510.1 is hereby amended to read:

510.1 Emergency responder radio coverage in new buildings. *Approved* radio coverage for emergency responders shall be provided within all buildings meeting any one of the following conditions:

1. There are more than 3 *stories above grade plane* (as defined by the Building Code Section 202);
2. The total building area is 30,000 square feet or more;
3. The total *basement* area is 5,000 square feet or more;
4. Where required by the fire code official and radio coverage signal strength levels are not consistent with the minimum levels set forth in Section 510.4.1.

Exceptions:

1. Where *approved* by the *fire code official*, a wired communication system in accordance with Section 907.2.13.2 shall be permitted to be installed or maintained in lieu of an *approved* radio coverage system.
2. Where determined by the fire code official that a system is not needed.
3. In facilities where emergency responder radio coverage is required and such systems, components or equipment required could have a negative impact on the normal operations of that facility, the *fire code official* shall have the authority to accept an automatically activated emergency responder radio coverage system.
4. Buildings and areas of buildings that have minimum radio coverage signal strength levels of the Silicon Valley Regional Interoperability Authority (SVRIA) P25 Phase 2 700 MHz Digital Trunked Radio System within the building in accordance with Section 510.4.1 without the use of an indoor radio coverage system.

The radio coverage system shall be installed and maintained in accordance with Sections 510.4 through 510.7 of this code and with the applicable provisions of NFPA1221, Standard for the Installation, Maintenance and Use of Emergency Services Communication Systems.

The coverage shall be based upon the existing coverage levels of the public safety communication systems of the jurisdiction at the exterior of the building. This section shall not require improvement of the existing public safety communication systems.

(b) Obstruction by new buildings.

California Fire Code Section 510.1 is hereby amended by adding Section 510.1.1 to read:

510.1.1 Obstruction by new buildings. No obstruction of the public safety system backhaul shall be allowed without an approved mitigation plan.

(c) Permit required.

California Fire Code Section 510.3 is hereby amended to read:

510.3 Permit required. A construction permit, for the installation of, or modification of, emergency responder radio coverage systems and related equipment is required as specified in Section 105.7.6. Maintenance performed in accordance with this code is not considered a modification and does not require a permit. A frequency change made to an existing system is considered to be new construction and will require a construction permit.

An operational permit is required to maintain an emergency responder radio coverage system as specified in Section 105.6.

(d) SVRIA system registration.

California Fire Code Section 510.3 is hereby amended by adding Section 510.3.1 to read:

510.3.1 SVRIA system registration. Prior to issuance of a construction permit, systems must be registered with the SVRIA and proof of registration shall be submitted to the *fire code official* upon plan submittal.

(e) Technical requirements.

California Fire Code Section 510.4 is amended to read:

510.4 Technical requirements. Systems, components and equipment required under this section to provide the emergency responder radio coverage system shall comply with Emergency Responder Radio Coverage Standards and Policies currently promulgated and in effect by the Sunnyvale Department of Public Safety.

(f) Installation requirements.

California Fire Code Section 510.5 is amended to read:

510.5 Installation requirements. The installation of the emergency responder radio coverage system shall be in accordance with NFPA 1221 and the current Emergency Responder Radio Coverage Standards and Policies currently promulgated and in effect by the Sunnyvale Department of Public Safety.

(Ord. 3148-19 § 1; Ord. 3101-16 § 1; Ord. 3044-14 § 1; Ord. 3018-13 § 2).