



INFORMATIONAL BULLETIN

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Chief Building Official

SYSTEM 800 MHz COUNTYWIDE COORDINATED COMMUNICATION

Reference: Section 5-9-601 through 5-9-606 of the Irvine Municipal Code

All planned construction of new buildings shall allow effective and continuous radio communication to be maintained without causing interference to the 800 MHz Countywide Coordinated Communication System.

All new building construction shall have a two-inch conduit installed between the first and bottom subterranean floor and said conduit shall extend along the center of the building to the roof. At each floor and the roof, an opening shall be made to afford easy access to the conduit from the ceiling. Access in either the form of drop ceiling or conduit shall be made available along hallways and through firewalls

Prior to issuance of a building permit, the applicant shall:

1. Retain a Federal Communications Commission [FCC]-certified technician who will review construction plans in order to ensure that such plans meet radio communication criteria specified in the reference Irvine Municipal Code, and recommend, if needed, an in-building solution for reliable radio communication;
2. All recommended in-building solution system components; subcomponents, devices and equipments shall be clearly shown in the construction building, mechanical and electrical plans. The FCC-certified technician shall certify such plans with the technician certification number noted on the plans prior to their submittal to the City for review.

Note: As an alternate, the decision to install an in-building solution may be deferred until building construction has progressed to a degree that field testing may be conducted to aid in deciding. Should this course of action be taken, scheduling implications should be carefully considered as no occupancy may occur before testing, acceptance and certification have been completed.

Prior to issuance of a Certificate of Occupancy, the applicant shall:

1. Retain an FCC-certified technician who will test all areas of the building or structure, verify installation and operation of in-building solutions, if needed, and certify all of the findings stated herein on the date of inspection with his/her signature. A passing test is one that demonstrates DAQ3 [Delivered Audio Quality 3] with a 90% reliability factor on each floor. Owners of buildings or structures that fail to meet this standard will not be in compliance with the reference Irvine Municipal Code.
2. The building owner must retain all records of initial and annual inspections and submit copies to the Chief Building Official, Orange County Fire Authority, and Orange County Sheriff-Coroner Department/Communications Division.

Testing and acceptance procedures and the required certification form may be obtain online at by selecting Public Safety Radio System Coverage in the Navigation Menu on the Building and Safety webpage at:

<http://www.ci.irvine.ca.us/depts/cd/buildingsafety>

This Bulletin shall not apply to the following:

1. Existing buildings or structures
2. Detached single family homes
3. Elevators
4. Structures that are three stories or less without subterranean areas and that do not exceed 50,000 square feet on any single story.
5. Wood-constructed residential structures four stories or less without subterranean areas which are not built integral to an above ground multi-story parking structure.

Should construction that is three stories or less which does not exceed 50,000 square feet on any single story include subterranean storage or parking, then these requirements shall apply only to the subterranean areas.