

## 2010 California State Codes

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### New Codes:

- 2010 California Building Code (CBC) based on the 2009 International Building Code (IBC)
- 2010 California Fire Code (CFC) based on the 2009 International Fire Code (IFC)
- 2010 California Mechanical Code (CMC) based on the 2009 Uniform Mechanical Code (UMC)
- 2010 California Electrical Code (CEC) based on the NFPA 70, 2008 the National Electrical Code

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### More New Codes:

- 2010 California Green Building Code based on the 2009 International Green Construction Code
- 2010 California Energy Code based on current Federal Energy Codes
- 2010 California Residential Code (CRC) based on the 2009 International Residential Code (IRC)
- NFPA 170, 2006 Edition, Standard for Fire Safety and Emergency Symbols
- The new ADA is useable 4/15/11 and mandatory 4/15/12, but still references NFPA 72 1999 & 2002.

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Sprinkler Waterflow systems will be required in all new one- and two-family dwellings and townhouses

- Monitoring of residential sprinkler waterflow systems is not required by this Code
- Residential sprinkler waterflow systems are installed to allow occupants time to safely exit the residence during a fire, and are not for the protection of property



## 2010 California State Law

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### SB 183 – The Carbon Monoxide Poisoning Prevention Act of 2010:

- This law covers all dwellings with fossil fuel burning heaters, fireplaces, and/or attached garages.
- A CSFM BML Listed Carbon Monoxide (CO) detector is required in each existing single-family dwelling by 7/01/11 and in all other existing dwellings by 1/01/13.
- Carbon Monoxide kills about 500 people in the US every year and injures another 20,000.

## 2010 California State Law

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Carbon Monoxide (CO) detectors shall be located per the manufactures documented instructions

- Some are ceiling mounted, others are wall mounted
- Remote monitoring is not required
- Power:
  - (1) Wired to 120 Volts AC
  - (2) Plugged into a 120 Volt AC outlet
  - (3) Internal battery
  - (4) Powered from a control unit

## NFPA 72, 2010

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- The “Fire Alarm Emergency Communication System Record of Completion” (ROC) is now 12 pages
- The “Fire Alarm Emergency Communication System Inspection and Testing Form” is now 11 pages
- NFPA allows these forms to be downloaded, duplicated, completed, and saved
- They can be modified as required to provide a more complete and/or clear record
- The forms are larger to accommodate Emergency Communication System (EMS) information

## NFPA 72, 2010

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### To download these forms:

- Go to [www.nfpa.org](http://www.nfpa.org)
- In the **Search** block enter "NFPA 72, 2010"
- Click on [NFPA 72: National Fire Alarm and Signaling Code](#)
- Go to **Forms** to download either or both forms
- Annex A has examples of the completed forms
- NFPA 72, 2010, and all the other NFPA Codes and Standards, can be viewed online for free on this page, but cannot be copied, printed, or downloaded

## Contractors State License Board

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### The Contractors State License Board (CSLB)

**6737.3** allows a fire alarm system to be designed by:

- A California State Registered Electrical Engineer who can design a fire alarm system to be installed by any C-10 Electrical Contractor, or
- A C-10 Electrical Contractor who can design a fire alarm system they install using their own personnel, or the installation can be sub-contracted the another C-10 Contractor, if the installation remains the responsibility of the C-10 Electrical Contractor that sold and designed the system.

## NFPA 72, 2010 Chapter 29

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### Chapter 29 Single- and Multiple-Station Alarms and Household Fire Alarm Systems

**29.3.3\*** The installation of smoke alarms or fire alarm systems, or combinations of these systems, shall comply with the requirements of this chapter and shall satisfy the minimum requirements for number and location of smoke alarms or smoke detectors by one of the following methods:

## NFPA 72, 2010 Chapter 29

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- (1) The required minimum number and location of smoke detection devices shall be (independently) satisfied through the installation of smoke alarms. The installation of additional smoke alarms shall be permitted.
- The installation of additional system-based smoke detectors, including partial or complete duplication of the smoke alarms satisfying the required minimum, shall be permitted.

## NFPA 72, 2010 Chapter 29

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- (2) The required minimum number and location of smoke detection devices shall be (independently) satisfied through the installation of system smoke detectors. The installation of additional smoke detectors shall be permitted.
- The installation of additional smoke alarms, including partial or complete duplication of the smoke detectors satisfying the required minimum, shall be permitted.
  - Smoke alarms and detectors in residential applications are installed for life/safety, not for property protection

## NFPA 72, 2010 Chapter 29

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- 29.7.8.1.1** If a DACT is used, the DACT serving the protected premise shall only require a single telephone line and is only required a call to a single DACR number.
- 29.7.8.1.4** A dedicated cellular telephone may be used as the single means to transmit fire alarms.
- 29.7.8.2\*** Supervising station systems are permitted to verify alarm signals prior to reporting them to the fire service, provided verification does not delay the reporting by more than 90 seconds.