

CHAPTER 6

FIRE SAFETY

SECTION 601 SOURCES OF FIRE IGNITION

601.1 Objective. To prevent unwanted ignition caused by building equipment and systems.

601.2 Functional statements.

601.2.1 Fuel-burning appliances and services. Fuel-burning appliances and services shall be installed in a manner that reduces their potential as a source of fire ignition.

601.2.2 Electrical equipment, appliances and services. Electrical equipment, appliances and services shall be installed in a manner that reduces their potential as a source of fire ignition.

601.3 Performance requirements.

601.3.1 Uncontrolled combustion and explosion. Fuel-burning appliances and services shall be installed so that the appliance or service will not cause uncontrolled combustion or explosion.

601.3.2 Fuel-burning appliances and services as sources of ignition. Fuel-burning appliances and services shall be installed so that they will not become a source of ignition.

601.3.3 Sparks and arcing. Electrical equipment, appliances and services shall be installed so that they will not allow sparks or arcing to escape their enclosures.

601.3.4 Electrical equipment, appliances and services. Electrical equipment, appliances and services shall be installed so that they will not become a source of ignition.

601.3.5 Flammable, combustible and explosive atmospheres. Separate ignition sources from areas where a flammable, combustible or explosive atmosphere may exist.

SECTION 602 LIMITING FIRE IMPACT

602.1 Objective. To provide an acceptable level of fire safety performance when facilities are subjected to fires that could occur in the fire loads that may be present in the facility during construction or alteration and throughout the intended life.

602.2 Functional statement. Buildings shall be designed with safeguards against the spread of fire so that no person not directly adjacent to or involved in the ignition of a fire shall suffer serious injury or death from a fire and so that the magnitude of the property losses are limited as follows:

- Performance Group I—High
- Performance Group II—Moderate
- Performance Group III—Mild
- Performance Group IV—Mild

602.2.1 Building and adjacent buildings. Buildings and facilities shall be designed and constructed so that the building and adjacent buildings or facilities and their occupants, contents and amenities are appropriately protected from the impact of fire and smoke.

602.2.2 Needs of fire fighters. Buildings and facilities shall be designed and constructed so that fire fighters can appropriately perform rescue operations, protect property, and utilize fire-fighting equipment and controls.

602.3 Performance requirements. See Section 1701.3.

