

## Chapter 1 Administration

### 1.1 Scope.

1.1.1 *NFPA 72* covers the application, installation, location, performance, inspection, testing, and maintenance of fire alarm systems, supervising station alarm systems, public emergency alarm reporting systems, fire warning equipment and emergency communications systems (ECS), and their components.

3.3.177.3 *Testing Personnel.* Individuals who perform procedures used to determine the status of a system as intended by conducting acceptance, reacceptance, or periodic physical checks on systems. (SIG-TMS)

( in admendments below in red 675 IAC 12-6 )

### 10.4 Design, installation, testing, and maintenance.

10.4.1 Fire alarm plans and specifications shall be designed as required by 675 IAC 12-6.

10.4.2 Plans and specifications shall be filed with the Plan Review Section of the Division of Fire and Building Safety in accordance with 675 IAC 12-6-7.

10.4.3 Installation personnel shall be qualified.

10.4.4 Personnel who perform inspections, testing, and maintenance shall be qualified.

## Chapter 14 Inspection, Testing, and Maintenance

### 14.1 Application.

14.1.1 The inspection, testing, and maintenance of systems, their initiating devices, and notification appliances shall comply with the requirements of this chapter.

14.1.2 The inspection, testing, and maintenance of single and multiple-station smoke and heat alarms and household fire alarm systems shall comply with the requirements of this chapter.

14.1.4 The requirements of this chapter shall apply to both new and existing systems.

14.1.4 The requirements of this chapter apply to all new systems. For existing systems, see 675 IAC 12-4-9, 675 IAC 12-4-11, and 675 IAC 12-4-12.

### 14.2 General.

#### 14.2.1 Performance.

14.2.1.1 **Performance Verification.** To ensure operational integrity, the system shall have an inspection, testing, and maintenance program.

14.2.1.1.1 Inspection, testing, and maintenance programs shall satisfy the requirements of this Code and conform to the equipment manufacturer's published instructions.

14.2.1.1.2 Inspection, testing, and maintenance programs shall verify correct operation of the system.

#### 14.2.1.2 Impairments.

14.2.1.2.1 Impairments shall comply with the Indiana Fire

**Code.**

**14.2.2.3** Inspection, testing, or maintenance shall be permitted to be done by the building or system owner or a person or organization other than the building or system owner if conducted under a written contract.

**14.4.5\* Testing Frequency.** Unless otherwise permitted by other sections of this Code, testing shall be performed in accordance with the schedules in Table 14.4.5.

**14.4.5.1** Devices or equipment that are inaccessible for safety considerations (e.g., continuous process operations, energized electrical equipment, radiation, and excessive height) shall be permitted to be tested during scheduled shutdowns when approved by the authority having jurisdiction. Extended intervals shall not exceed 18 months.

(Table 14.4.2.2)

23. Emergency control functions. Emergency control functions (i.e., fan control, smoke damper operation, elevator recall, elevator power shutdown, door holder release, shutter release, door unlocking, etc.) shall be tested by operating or simulating alarm signals. Testing frequency for emergency control functions shall be the same as the frequency required for the initiating device that activates the emergency control function.

**Table 14.4.5, Item 15.** Initiating devices such as smoke detectors used for elevator recall, closing dampers, or releasing doors held in the open position that are permitted by the Code (see NFPA 101, 9.6.3) to initiate supervisory signals at the fire alarm control unit (FACU) should be tested at the same frequency (annual) as those devices when they are generating an alarm signal. They are not "supervisory devices," but they initiate a supervisory signal at the FACU

**( 7. TESTING RESULTS (continued)**

**7.11 Auxiliary Functions**

**72-86 page Description**

**Visual**

**Inspection**

**Functional**

**Test Comments**

Door-releasing devices

Fan shutdown

Smoke management /

Smoke control

Smoke damper operation

Smoke shutter release

Door unlocking

Elevator recall

Elevator shunt trip

MNS override of FA signals

Other (specify)