

1 RCNY §3616-04

CHAPTER 3600

Appendices

§3616-04 National Fire Protection Association (“NFPA”) 72 Amendment Relating to the National Fire Alarm and Signaling Code.

Pursuant to Section 28-103.19 of the New York City Administrative Code, NFPA 72 (2016 edition) is hereby amended as follows:

18.11 Delete and replace with the following: **Standard Emergency Service Interface.** Where required by the enforcing authority; governing laws, codes, or standards; or other parts of this Code, annunciators, information display systems, and controls for portions of a system provided for use by emergency service personnel must be designed, arranged, and located in accordance with the requirements of Sections 18.11.1 through 18.11.3.

Add **18.11.1 Fire Service Access Elevators Annunciator Location.** The Fire Service Access Elevator (FSAE) annunciator panel must be located at the Fire Command Center (FCC) and installed in such a way that the control switches are protected against tampering by unauthorized individuals. Location of the FCC must be approved by FDNY. Where a building contains more than one FCC, one FSAE annunciator panel must be installed at each FCC.

Add **18.11.2 Listing.** All FSAE annunciator panels must be listed to UL Standard 864 (Standard for Control Units and Accessories for Fire Alarm Systems).

Add **18.11.3 Display.** FSAE annunciator panels must include a green LED indicating POWER ON, a yellow or amber LED indicating SYSTEM TROUBLE, and a LAMP TEST feature. All LEDs and switches must be arranged to graphically represent the spatial relationship between floors and associated system components. Each individual floor must be labeled with the corresponding floor number. Where marketing floor designations are used, only the marketing floor designation must be displayed on the FSAE annunciator panel. Where approved by FDNY, designs may utilize touchscreen or similar graphic annunciator technologies in lieu of a physical cabinet containing LEDs and switches.

21.5 Delete and replace with the following: **Fire Service Access Elevators.** Where one or more elevators are specifically designated and marked as FSAE, elevator status, power, and temperature and presence of smoke in elevator lobbies, machine rooms, control rooms, machinery spaces, or control spaces must be continuously monitored and displayed on a building fire alarm system annunciator(s) complying with Section 18.11 and the requirements of Section 21.5.1 through 21.5.5.

21.5.1 Delete and replace with the following: **Elevator Status.** Status of the elevator(s), including elevator location within the hoistway, direction of travel, position of landing doors, and occupied/unoccupied status of each such elevator car must be indicated on the annunciator panel or represented on a separate panel(s) provided it is also located at the FCC.

21.5.2 Delete and replace with the following: **Power.** Availability of main and emergency power to operate the elevator(s), elevator controller(s) and machine room ventilation must be displayed on a building fire alarm system annunciator. Individual yellow or amber LEDs for fault condition monitoring must be provided for the following:

- (A) Elevator Normal Power Fault – upon loss of normal power source supplying the FSAE(s), the associated yellow or amber LED must activate and remain lit until such power source is restored.
- (B) Elevator Emergency Power Fault – upon loss of the emergency power source that serves supply to the FSAE(s), the associated yellow or amber LED must activate and remain lit until such power source is restored.
- (C) Elevator Hoistway Ventilation Power Fault – where elevator hoistway ventilation is provided, either through passive or active/mechanical means, loss of power to the associated equipment must activate the yellow or amber LED and the LED must remain lit until such power source is restored.

21.5.3 Delete and replace with the following: **Temperature and Smoke.** Temperature and presence of smoke in associated lobbies and machine rooms must be monitored and displayed as follows:

- (A) **Temperature Monitoring:** Three separate LEDs for each machine room and for each floor/elevator bank utilized for FSAEs must be provided to indicate associated temperatures in the elevator lobby or elevator landing served by the FSAE. These LEDs must be provided under the headings NORMAL <100 °F (for green), MONITORING 100 °F< > 135 °F (for yellow), and UNSAFE >135 °F (for red). These temperatures must be monitored utilizing a heat detector or temperature monitoring device listed by a Nationally Recognized Testing Lab (See UL Standard 521 (Heat Detectors for Fire Protective Signaling Systems)).
- (1) When said device in an elevator machine room, lobby, or landing reaches 100 °F, it must send a supervisory signal to the FCC and must light the associated yellow LED.
 - (2) When said device in an elevator machine room, lobby, or landing reaches 135 °F, it must send an alarm signal to the FCC and must light the associated red LED. Activation of any red LED must be latching and must only clear upon reset initiated from the fire alarm control panel.
 - (3) The associated green LED must be lit at all other times when no heat condition at or above 100 °F has been detected in the corresponding elevator lobby or elevator landing.
- (B) **Smoke Monitoring:** Activation of an elevator machine room, elevator lobby or elevator landing smoke detector must send an alarm signal to the FCC and must light a red LED indicating the associated floor/elevator bank and indicating the device type that activated. Activation of any red LED must be latching and must only clear upon reset initiated from the fire alarm control panel.
- (1) Where hoistway smoke detection is required by the NYC Construction Codes, the status of the hoistway smoke detector must be displayed on this panel.
 - (2) Where cross-zoning of multiple smoke detectors is used, the activation of the second smoke detector in that corresponding area must light the red LED.
 - (3) Where alarm verification for a single smoke detector is used, the activation of the detector in verified alarm mode must light the red LED.

Add **21.5.3.1 Machine Room-less Elevator.** Where a machine room-less (MRL) elevator is provided, smoke and temperature monitoring from the elevator hoistway must be displayed on this panel in the same manner as requirements applicable to a traditional elevator machine room.

Add **21.5.4 Hoistway Lighting.** Activation of the FSAE hoistway lighting controls to either on or off must generate a supervisory signal reported to the buildings' fire alarm system.

Add **21.5.5 Occupant Evacuation Elevator.** Where a building is provided with both FSAE(s), and Occupant Evacuation Elevator(s), a single graphic annunciator may be provided to indicate all required signals.