

FPST 1373 Audible Notification Outline

- I. Audible notification requirements
 - a. Alerts must be independent of people being present
 - b. ADS
 - i. Different sound profiles based on building features
 - c. At least 90 in above floor
 - d. Two-way communication
 - i. In areas where people may have to wait for assistance
 - ii. Fire service
 - e. Modes
 - i. Public mode
 - 1. To building occupants
 - ii. Private mode
 - 1. To person at continuously occupied area
 - f. Can have different signals to different zones
- II. Code compliant signals
 - a. Distinct for all emergencies
 - i. T-3 for fire
 - ii. Can use any sound to generate signal
 - b. Silencing
 - i. Visual stays active
 - c. Pre-signal
 - i. Delay in notifying occupants
- III. Appropriate frequency and sound level for alerts
 - a. Typically 3000 Hz signal
 - i. 520 Hz outside sleeping areas
 - b. Sound level (dBA)
 - i. Measured using A weighted scale
 - ii. Typically 10 ft from appliance
 - iii. Above background noise
 - iv. Account for walls and doors
 - v. Add 6 dBA every time distance doubles
 - vi. Public mode
 - 1. 5 dBA above peak
 - 2. 15 dBA above average
 - 3. At least 75 dBA outside sleeping areas
 - vii. Private mode
 - 1. 5 dBA above peak
 - 2. 10 dBA above average