Virtual Live Training Via Zoom - Friday, September 8, 2023
8:00AM-12:00PM PST
The class includes: UNLIMITED Q&A session starting at 12:00PM. Training cost: $250 for general public $200 for active AHJs

Each participant will receive a PDF copy of the class slides prior to taking the class.
Each participant will receive a unique Zoom link upon registration.

This training is targeted for:
- Fire Alarm personnel (Engineers, Contractors, Designers, Installers, Technicians and Service personnel)
- Authority Having Jurisdiction (AHJ) personnel (Fire and Electrical inspectors and Permit Plans Reviewers)
- Elevator, ERCES/ERRCS and 2-Way ECS personnel (Engineers, Contractors, Designers and installers- to gain basic knowledge on Fire Alarm systems and associated codes for the required interface between all these systems)
- Building Owners/ Architects/ Engineers and anyone else who is interested in Life-Safety Code knowledge addressing different types of buildings and occupancy groups.

The Course includes an UNLIMITED Question & Answer Session commencing at 12:00PM PST to discuss the class material and any other associated questions.

This training will examine the most recent building and fire code requirements for "Building fire alarm systems" and "Dedicated function(s) fire alarm systems" for different types of occupancy groups such as assembly, business, residential, educational and other special-type occupancies. The 2022 edition of CBC and CFC, effective in California since January 1, 2023, are based on the international model codes 2021 IBC and IFC which reference the 2022 NFPA 72 as the applicable Fire Alarm and Signaling Code.

CLASS OVERVIEW

- The International Building Code (IBC) and California Building Code (CBC) specify, in chapters 3 & 4, different types of occupancy groups such as A-Assembly, B-Business, R-Residential, E-Educational, etc. Within each occupancy group there are also subcategories. This training will examine the different types of occupancy groups & subcategories included in the building code, clarifying the specific requirements for providing "Building fire alarm systems" (with notification) versus "Dedicated function(s) fire alarm systems" (without notification).

- Chapter 9 of the International Fire Code (IFC) and California Fire Code (CFC) includes the requirements for "Fire Protection and Life Safety Systems" based on occupancy groups. This training will focus on Section 907 "Fire Alarm and Detection Systems" and will clarify which type of fire alarm system is required (or not-required) for each occupancy group. Examples include Manual versus Automatic building fire alarm systems versus a combination of both (based on level of sprinkler coverage), different types of dedicated function(s) fire alarm systems such as "sprinkler waterflow and supervisory systems", "elevator recall and supervisory systems", and ERCES/ERRCS monitoring systems.

- This training will explore the differences between "Code Required System" versus a "Non-Required / Voluntary System" and will specify the requirements for off-site monitoring by a supervising station versus local systems.

- This training will also examine basic NFPA 72 terms such as monitoring for integrity, survivability of pathways, sequence of operation matrix, riser-diagram, primary and secondary power supplies, battery capacity and voltage drop calculations, tone-based (horns) versus voice-based (speakers) systems, low-frequency audible notification for residential occupancies, audible versus visual notification, Hearing-Impaired visual protection, monitoring and control functions, and Fire-Safety functions such as HVAC shut down, smoke-door release, etc.

- This training will cover basic fire alarm interface with other building life-safety and emergency systems such as elevators (hydraulic, traction and Machine-Room-Less (MRL) elevators), emergency generator monitoring, sprinkler systems and fire-pumps monitoring, 2-Way Emergency Communications Systems (ECS) and Emergency Responder Communication Coverage Systems (ERCES /ERRCS) and expands your knowledge, you may claim 1 CPD point per hour of instruction toward re-certification.

If this class is relevant to your NICET certification

OFFERED BY:
Instructor: Sagiv Weiss-Ishai, P.E., Fire Protection Engineer
Principal member - NFPA 72 SIG-PRO Technical Committee
Contributing member - ASME A17.1 Emergency Operation Technical Committee
Contributing member – ASME A17.1 Hoistway Technical Committee
CA State - AHJ member on the CSFM Fire Alarm Code Advisory Committee