

FPE CLASS 1- NEW 2025 CODES UPDATES: Interfacing Elevator Controls with Fire Alarm and Sprinkler Systems + ERRCS provisions WITH NEW 2024 IBC/IFC & 2025 CBC/CFC Codes

Based on: 2022 ASME A17.1, CA Elevator Safety Orders, 2022 NFPA 1225 for ERCES

AND the NEW 2025 NFPA 13 (National Sprinkler Code) and NFPA 72 (National Fire Alarm and Signaling Code)

Virtual Live Training Via Zoom - 8-Hrs ICC, NAEC, & NICET & CA-DOSH certified Training in TWO sessions:

Session 1 (4 hours): Thursday, December 12, 2024 - 8:00am-12:00pm (Pacific Standard Time)

Session 2 (4 hours): Friday, December 13, 2024 - 8:00am-12:00pm (Pacific Standard Time)

Each participant will receive a PDF copy of the class slides prior to taking the class.

Each participant will receive a completion certificate upon completing both class sessions

The class is certified by ICC for 8 hours (0.8 ICC CEUs) /NICET/ NAEC (7.5 CET) and CA-DOSH Elevator Unit

The course will start at 8:00am each day. There will be two 15 minutes breaks during each session and an unlimited Q&A session at the end of each training day.

Cost:

General Public— \$400

Active AHJ —\$350

The class is targeted for:

Fire Alarm and Sprinkler Personnel, Elevator Consultants, Mechanics and Contractors and Elevator Inspectors, AHJs (Building, Electrical and Fire Plan Reviewers and Inspectors), Architects, Engineers, and anyone interested in Elevator-Fire interface and associated codes.

Discuss and clarify ALL NEW code changes in the latest editions of IBC/IFC/CBC/CFC and ASME.

NEW SIGNIFICANT code changes in the 2025 edition of NFPA 13 (Sprinkler Omissions from hoistways and sprinkler requirements for MRL, passenger and freight elevators), NEW 2025 NFPA 72 (Fire Alarm) and 2022 NFPA 1225 (Radio Coverage in hoistways) will be discussed and clarified for NEW and existing elevators. Including requirements for alteration of existing elevators.

CLASS OVERVIEW

There will be UNLIMITED Q&A Live Sessions at the end of each training day

- Significant NEW changes in the 2025 edition of NFPA 13 for sprinklers in elevator spaces will be discussed and clarified as well as associated changes to the 2022 edition of ASME A17.1 regarding F.E.O
- Discuss and clarify Elevator-Fire-Radio latest codes requirements for standard overhead Traction elevators, Machine Room-Less (MRL), Hydraulic & Electric elevators, Passenger, Freight, Limited-Use-Limited-Application (LULA), Private residence and Article 15 (handicap) Elevators. The 2022 edition of the A17.1 Code includes NEW ERCES Radio Coverage provisions inside elevator hoistways.
- Clarify the Firefighters' Emergency Operation (FEO) - PHASE I Emergency Recall Operation (Manual by the Fire Recall Keyed-Switch and Automatic by Fire Alarm Initiating Device - (FAID), and PHASE II - In-Car Emergency Operation by Firefighters. Clarify Elevator cars Live-Video two-way communication per IBC/CBC and 2022 A17.1
- Clarify who determines and how to program Elevator Recall Levels - Designated and Alternate Levels
- Clarify Elevator Simplex Operation Vs. Elevator Group (BANK) Automatic Operation and related FA programming
- Clarify Elevator Power Shunt-Trip Operation for NEW and Existing Elevators - Is Phase I Emergency Recall Operation required to operate prior to Shunt-Trip activation ? Which NEW and Existing elevators require to be provided with the Shunt-Trip feature ? Which codes determine if Shunt-Trip operation is required?
- Clarify the Elevator Visual Symbol Operation (Fire-Hat lamp Flashing or Solid illumination) - Significant changes in NFPA 72-2019 and 2022 (The "elevator warning signal" was eliminated from NFPA 72)
- Clarify the requirements for elevator Top of Hoistways and Pits regarding Sprinklers and FAIDs placement including the latest requirements in 2025 NFPA 72 for water flow switches WITH time delay for phase 1 recall.
- Clarify the 2022 NFPA 1225 requirement for critical areas with 99% radio coverage in ALL Elevator Cars and the 2022 ASME A17.1 provisions for running leaky coaxial cables and RRUs inside elevator hoistways.
- Clarify how MRL suspension means (Non-Combustible steel ropes or Coated-Steel belts with or without FT-1 rating) affect the requirements for Hoistways sprinklers and FAIDs and associated shunt-trip operation
- Discuss Access to Fire Alarm initiating devices in elevators associated spaces (EMR, ECR, ECS and Hoistways)



ICC Course No 19706
Approved for 8 Hrs - 0.8 ICC-CEUs



If this class is relevant to your NICET certification and expands your knowledge, you may claim 1 CPD point per hour of instruction toward recertification



Approved by NEAC for 7.5 CET Credits



Approved Continuing Education Provider for Elevator personnel

OFFERED BY:



Instructor: Sagiv Weiss-Ishai, P.E., Senior Fire Protection Engineer
Principal member - NFPA 72 SIG-PRO Technical Committee (Elevator Controls)
AHJ contributing member - ASME A17.1 Emergency Operation TC
AHJ contributing member - ASME A17.1 Hoistway TC
CA State - AHJ member on the CSFM Fire Alarm Code Advisory Committee
Past President - SFPE Northern CA & Nevada chapter