

FPE CLASS 1: Interfacing Elevator Controls

with Fire Alarm and Sprinkler Systems + ERRCS provisions

WITH ALL NEW IBC/IFC/ASME AND CALIFORNIA LATEST CODE CHANGES

Virtual Live Training Via Zoom - This is an 8-Hour ICC certified Training divided into TWO sessions:

Session 1 (4 hours): Thursday, March 23, 2023 9:00am-1:00pm (Pacific Standard Time)

Session 2 (4 hours): Friday, March 24, 2023 9:00am-1:00pm (Pacific Standard Time)

Each participant will receive a PDF copy of the class slides (2 slides per page format) 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)

The class will start at 8:30am each day to verify the Zoom connection. The course will start at 9:00am each day. There will be two 15 minutes breaks for questions during each session.

Cost:

General Public— \$400

Active AHJ —\$350

The class is targeted for:

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

Discuss and clarify significant code changes in the 2021 IBC/IFC and 2022 CBC/CFC, 2019 & 2022 ASME A17.1, 2022 NFPA 13 and NFPA 72 and 2022 NFPA 1225. Discuss NEW proposed CA Group 5 Elevator Safety Orders (ESO) regulations VS. the current CA. Group 4 regulations. Discuss proposed changes for the 2025 editions of NFPA 13 and NFPA 72.

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

- Discuss and clarify Elevator-Fire-Radio latest codes requirements for standard overhead Traction elevators, Machine Room-Less (MRL) elevators, Hydraulic elevators, Passenger, Freight and Limited-Use-Limited-Application (LULA) Elevators
- 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 how to determine and program Elevator Recall Levels - Designated and Alternate Levels
- Clarify Elevator Simplex Operation Vs. Elevator Group Automatic Operation and how it affects the Fire Alarm system design and programming (How many associated FA control relays and how to program them)
- Clarify RESET Vs. BYPASS Operation for NEW and Existing elevators and how to return the elevator to Normal Service operation after FEO Operation.
- 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 Elevator Visual Symbol Operation (Fire-Hat lamp Flashing or Solid illumination) - Significant changes in NFPA 72-2019 and 2022
- Clarify the requirements for elevator Top of Hoistways and Pits regarding Sprinklers and FAIDs placement including the latest National codes requirements (NFPA 13 and 72) and CA CBC significant Changes
- Clarify the 2022 NFPA 1225 requirement for critical areas with 99% radio coverage in ALL Elevator Cars and 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

OFFERED BY:



Instructor: Sagiv Weiss-Ishai, P.E., Fire Protection Engineer
Principal member - NFPA 72 SIG-PRO Technical Committee
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
CA State - AHJ member on the BFO advisory committee for the CBSC