Interfacing Elevator Controls with Fire Alarm and Sprinkler Systems

Friday, November 1, 2019 • 8:00am – 4:00pm
Holiday Inn & Suites Oakland Airport 77 Hegenberger Rd. Oakland, CA

➢ Clarify new code requirements in 2019 NFPA 72 (Fire Alarm) and NFPA 13 (Sprinkler) associated with the Elevator Code requirements listed in the NEW A17.1/B44-2013 (CA Group 5 Regulations) VS. the current CA. Group 4 Regulations based on the 2004 Edition of A17.1/B44.

Class Overview:
➢ New code changes in the 2019 Edition of CBC Chapter 30 and Section 3005 regarding Sprinklers and Fire Alarm initiating devices in elevators associated spaces (EMR, ECR, ECS and 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 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 programing (How many associated FA control relays)
➢ 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.
➢ Clarify the requirements for elevator Top of Hoistways and Pits regarding Sprinklers and FAIDs placement including the newest National codes requirements (NFPA 13 and 72)
➢ Clarify the CA Electrical Code (CEC) 2016 and 2019 Requirements regarding MRL Elevators.
➢ 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.

Includes:
Complimentary Parking
Continental breakfast, lunch, and mid-day snacks

Breakfast starts 7:30am
Class starts: 8:00am
Class ends: 4:00pm

Cost:
General Public— $400
Active AHJ —$350

Earn Continuing Education Units (CEUs) : ICC CEUs, ESA/NTS, NAEC, and NAESA QEI Credits 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 more.

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 TC
Contributing member – ASME A17.1 Hoistway TC

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