

# NEW CBC/CFC-2022, NFPA 72-2022, 1221-2019 and 1225-2022 CODES UPDATES FOR: Two-Way Emergency Communications Systems (ECS) and Emergency Responder Communication Coverage Systems (ERCCS)

**Virtual Live Training Via Zoom - This is a 8-Hour ICC certified Training divided into TWO sessions:**  
**Session 1 (4 hours): Thursday, September 15, 2022 9:00am-1:00pm (Pacific Standard Time)**  
**Session 2 (4 hours): Friday, September 16, 2022 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 an ICC 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 an unlimited Q&A session on each day starting at 1:00PM.**

#### **Cost:**

**General Public— \$400**

**Active AHJ —\$350**

#### **The class is targeted for:**

Fire Alarm, 2-WAY ECS and Life-Safety Systems Designers, Engineers and Technicians, Electrical and General Contractors, ERCCS, DAS and Public Safety and GROL personnel, AHJs (Building, Electrical and Fire Plan Reviewers and Inspectors), Architects, Engineers, and anyone interested in Life-Safety Codes and Emergency Communications Systems

The 2022 Edition of CBC and CFC will become effective in CA on 1/1/2023. These Codes includes many significant changes regarding ECS and ERCCS which will be discussed and clarified in this class. The referenced standards for these systems which will become effective in CA on 1/1/2023 are NFPA 72-2022 (ECS) and NFPA 1221-2019 (ERCCS). However NFPA 1225-2022 may become effective during the 2022 intervening Code Cycle for ERCCS. All the specific design, installation and enforcement requirements in these standards will be discussed and clarified in this class.

#### **CLASS OVERVIEW**

- This class will focus on the NEW requirements for In-buildings Two-Way Emergency Communications Systems (ECS) and ERCCS which are specified by IBC/CBC/IFC/CFC to be provided in specific occupancies and buildings. This class will discuss ALL types of ECS and will clarify where these systems are required to be installed.
- NFPA 72-2022 includes NEW UL listing requirements (UL 2525) for Area of Refuge (AOR), Stairway, Elevator Landing, and Occupant Evacuation Elevator Lobbies ECS. NFPA 72-2022 includes NEW pathway survivability requirements for ECS with a NEW Pathway survivability (Level 4) . CFC-2022 includes NEW listing requirement (UL2524) for all new ERCCS equipment effective 1/1/2023 which will be discussed and clarified,
- CFC-2022, NFPA 1221 and NFPA 1225 includes new requirements for ERCCS monitoring and critical areas coverage. CBC-2022 includes new requirements for 2-Way ECS in locked elevator lobbies in High-Rise buildings to be controlled from an Off-Site location - This specific CA requirement will be discussed and clarified.
- Leaky-Coax cables provisions in Elevator Hoistways to serve ERCCS are included in the 2022 national Elevator Code (A17.1) and they will be discussed and clarified.

Monitoring-For-Integrity Requirements and supervision of ECS and ERCCS by the Building FA System or by a dedicated function(s) fire alarm control unit where a building FA system is not installed will be clarified.

NEW Pathway Survivability requirements per NFPA 72 Ch. 12 (Level 4) based on Type of construction and Fire Rating, including new available and listed 2-HR Coaxial Cables per UL 2196 and associated CI & CIC listing. [NEW CBC-2022 Chapter 30 Requirements for Elevator Live-Video Communication System based on A17.1-2019 and Elevator Car Phone - 60 feet rule will be discussed and clarified per DOSH requirements.](#)

**The Class will include an UNLIMITED Questions & Answers Session at the end of each day starting at 1:00PM to discuss the class material and any other associated questions.**

The ICC certificate will be provided to each participant who has completed both sessions.



ICC Course No 19707

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  
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  
CA State - AHJ member on the BFO advisory committee for the CBSC