

# Two-Way Emergency Communications Systems (ECS) and Emergency Responders Radio Coverage Systems (ERRCS)

**NEW CODES UPDATES: IBC/IFC/CBC/CFC, NFPA 72, NFPA 1221, NFPA 1225  
and associated UL Standards: UL 2524 for ERRCS and UL 2525 for 2-Way ECS**

**Virtual Live Training Via Zoom - This is an 8-Hour ICC certified Training divided into TWO sessions:  
Session 1 (4 hours): Thursday, April 29, 2021 9:00am-1:00pm (Pacific Standard Time)  
Session 2 (4 hours): Friday, April 30, 2021 9:00am-1:00pm (Pacific Standard Time)**

Each participant will receive a PDF copy of the class slides (6 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 Life-Safety Systems Designers, Engineers and Technicians, Electrical and General Contractors, ERRCS and AS personnel, AHJs (Building, Electrical and Fire Plan Reviewers and Inspectors), Architects, Engineers, and anyone interested in

**Discuss and clarify NEW Code Changes in IBC/IFC 2018 & 2021 and CBC/CFC 2019/2022**

**Clarify Design and Installation Requirements per NFPA Standards:**

**NFPA 72-2019 & 2022 Chapter 24 for ECS (Focus on Section 24.10)**

**NFPA 1221 2016 (Applicable Code in CA for ERRCS) and the NEW NFPA Standard 1225-2022 for ERRCS**

**New UL Equipment Standards for 2-Way ECS (UL 2524) and ERRCS (UL 2525)**

#### **CLASS OVERVIEW**

- This class will focus on the NEW Code requirements for In-buildings Two-Way Emergency Communications Systems (ECS) and ERRCS which are specified by IBC/CBC to be provided in specific occupancies, buildings and locations. This class will discuss and clarify these requirements.
- NFPA 72 Section 24.10 was completely revised in the 2019 Edition; However, the 2019 Edition was not adopted in CA by the 2019 CBC/CFC. The next NFPA 72-2022 Edition is expected to be published by NFPA in October 2021 and will become adopted in CA in the next CBC/CFC Code Cycle.
- The following 2-Way ECS are specified in NFPA 72 and will be discussed: Area Of Refuge (AOR), Stairway, Elevator Landing, and Occupant Evacuation Elevator Lobby. Other Two-Way ECS were removed from NFPA 72-2016 (Elevator ECS) and rearranged (Section 24.11 and 24.12).
- CBC-2019 also includes specific requirements for 2-Way ECS in locked elevator lobbies in High-Rise buildings to be controlled from Off-Site location - This requirement will be discussed and clarified.
- NFPA 1221-2016 Section 9.6 is the National Code for ERRCS adopted in CA by the 2019 IFC and it includes new requirements for ALL ERRCS components monitoring. The new NFPA 1225- 2022 will replace the NFPA 1221 and will combine NFPA 1061 And NFPA 1221 - The new NFPA 1225 requirements for ERRCS will be discussed.
- Discuss and clarify monitoring-For-Integrity Requirements and supervision of by the Building Fire Alarm System
- Discuss and Clarify specific requirements for Pathway Survivability requirements per NFPA 72 Chapter 12, NFPA 1221, NFPA 1225 including new available and listed 2- R Coaxial Cables per UL 2196.
- The Class will include Examples from actual 2-Way ECS and ERRCS Systems designs



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  
Contributing member - ASME A17.1 Emergency Operation TC  
Contributing member - ASME A17.1 Hoistway TC