



Session 4C

The Basics and the Not-So-Basics of Bi-Directional Amplification/ Emergency Radio Communication Enhancement Systems (ERCES)

Clear and reliable radio transmissions are critical during an emergency, but they are often weakened by structures such as concrete, windows and metal. Bi-Directional Amplifier (BDA) is a signal boosting solution designed to enhance in-building radio frequency signal coverage for public safety radio. It is a code driven requirement and must be monitored by the building fire alarm system. Do you know everything you need to know about Emergency Radio Communication Enhancement Systems (ERCES)? Your questions will be answered during this comprehensive program. We will address system components, basics of two-way radio, IFC, IBC and NFPA code requirements and adoption, and UL compliance. We'll also cover AHJ specs, radio signal surveys, FCC requirements and design considerations. You don't want to miss this program! ERCES CEUs are available for this program.

Common questions will be answered!

- When/where are BDA systems required? 100% are to be tested, but when must they be installed?
- Are UL listed systems required and who offers UL listed equipment?
- What are IBC, IFC and NFPA acceptance testing requirements and how is this different than what some local AHJs require?
- How do you design for something that isn't there and for future structures that could obstruct signal coverage later?
- What is Class A and when is it required? NOTE this is not Class A electrical wiring

Don't miss this opportunity to learn about BDA system technology.



Don Austin
Regional Sale Manager
Notifier

Don Austin has been in the Fire Alarm Industry for 20+ years working in a variety of roles including if Fire Alarm Integration Companies: Technician, Project Manager, System Designer, General Manager and now Regionals Sales Manager with NOTIFIER. He is NICET Level IV certified in Sub Field: Fire Alarm, he also holds a Qualifying Agent license in most States in the Southeastern US.

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