

SBC Key Initiatives and Focus Areas

- **9-1-1 inside:** *We believe fundamentally that **your ability to dial 9-1-1 from a mobile device should not depend on where you're standing at that moment**, especially when inside buildings.*
- **Improving School Safety** through deployment of in-building communications and security technologies, supporting initiatives such as **Alyssa's Law**.
- **NG9-1-1, Location Accuracy, and Indoor Mapping** evolution. Dispatch centers must be capable of utilizing the best available information to expedite emergency response: **Time = Life**
- **Wireless Workforce Development and Credentialling.** **Workforce must scale and be competent.**
- **Opening spectrum and developing new technologies** for in-building use. **Indoor wireless coverage is fundamental.**



Facilitating Dialogue between Public Safety and Industry

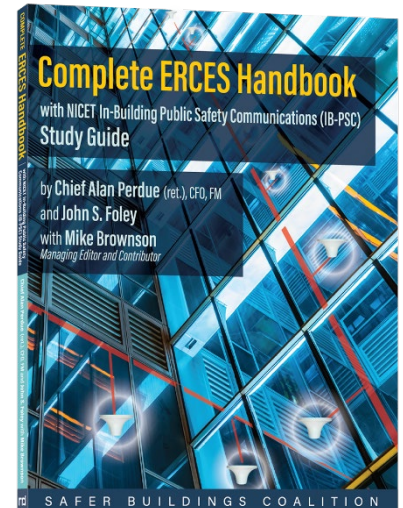
The Safer Buildings Coalition conducts seminars across the US and Canada where public safety staff (radio shop, fire protection, operations) and industry (service providers, manufacturers, distributors, system integrators) can learn together and dialog about the challenges and best practices in deploying in-building coverage.



Workforce Competency and Credentialling

Fire and Building Codes mandate in-building coverage, typically enabled by Signal Boosters. It is essential that these solutions enable communications but do no harm. Keys to this:

- **Properly deployed technology**, facilitated by education, best practices, and defined processes.
- **Increasing awareness of the common causes for RF interference** and ways to mitigate them.
- **Driving innovation in wireless technologies** used to solve for in-building wireless dead zones.
- **Advocating for improvements in policy and FCC rules** focused on proper RF operation.
- **Published Complete ERCES Handbook** - Over 4,000 in circulation, the basis for the top training programs and a DOL Apprenticeship Standard: SAFER BUILDING TECHNICIAN In-Building Wireless Installation Technician (IBWIT) O*NET-SOC CODE: 49-2022.00 RAPIDS CODE: 3036HY



Enabling Public Safety Broadband Communications Inside Buildings

Broadband communications for public safety must be available inside the built environment where first responders do so much of their work. Keys to this:

- **Raising awareness** among fire and building code officials that broadband (cellular) services used by first responders are covered by the codes and standards that mandate in-building coverage.
- **Driving collaboration and innovation** in the wireless industry to make in-building broadband coverage more reliable and resilient.





Who we Are:



The Safer Buildings Coalition is the only advocacy group and resource for everything related to solving for In-Building Wireless "Dead Zones".

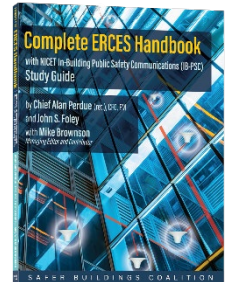
Our Scope includes all In-Building Technologies:

Commercial Cellular (LTE / 5G) • LMR (Land Mobile Radio) • Emergency Responder Communications Enhancement Systems (ERCES) • Private LTE • Location Services • Wireless Panic Alerts • School Safety Tech

When wireless macro (outdoor) networks are deployed, often signals cannot penetrate into buildings and other structures, creating "wireless dead zones" or areas where radio frequency (RF) coverage is inadequate. Often labeled "the in-building coverage problem," it occurs in both public safety and commercial cellular networks. The Safer Buildings Coalition was founded in 2012 to address this problem.

What we Do:

- **Sector Education and Workforce Development** - In-building wireless communication is a critical challenge today. The Safer Buildings Coalition provides a rich and extensive program of in-person and on-line education for Code Officials, First Responders, Enterprise, and the Wireless Industry. We published the definitive reference for Emergency Responder Communications Enhancement Systems - The Complete ERCES Handbook, with over 4,000 copies in circulation. Used as the basis for every top training program, and for DOL Apprenticeship standard "Safer Buildings Technician" (USDOL 49-2022.00)
- **Advocacy** - The Safer Buildings Coalition is active at the Federal, State and Local level, working with agencies and organizations like the FCC, DHS/CISA, APCO, TIA, UL (Underwriters Laboratories) the International Association of Fire Chiefs, the NFPA and ICC, and others to advocate for public policy and Public Private Partnerships that contribute towards achieving the SBC mission of making buildings safer through technology.
- **Codes and Standards Development** - We are working with stakeholders to propose changes to model fire codes produced by the International Code Council (ICC) and the National Fire Protection Association (NFPA) related to Public Safety communication within buildings. Codes and standards development is a continuous process in both model codes/standards organizations (the ICC and NFPA).



Our Member Base:

The Safer Buildings Coalition (SBC) is supported by a diverse group of Members such as:

- **Public Safety:** Radio System Operators; Code Officials; Fire, Law Enforcement, and Dispatch Operations; Local, State, and Federal Agencies
- **Industry:** Operators, Suppliers, and Contractors
- **End Users:** Schools and Campuses (k-12 and Higher Ed), Hospitality, Healthcare, Commercial Real Estate, Manufacturing
- **Collaborating Associations:** Partner Alliance for Safer Schools (PASS), International Association of Fire Chiefs (IAFC), CTIA, APCO, Wireless Infrastructure Association (WIA), TIA, IWCE, NFPA, International Code Council (ICC), NATE, Center for Campus Fire Safety, Underwriters Laboratory (UL), National Association of State Fire Marshals (NASFM), National Public Safety Telecommunications Council (NPSTC) and many more.

