OSE Facilities Directors Conference

Can You Hear Me Now?
An overview of in-building communication systems

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Emergency Responder Radio Coverage
The PROBLEM: In-Building Radio Signal Degradation

Radio signals are attenuated by:

- Concrete, Metal & Other Materials
- Low-E Glass
- Below-Ground Structures
- Other Obstructions
- Radio Frequency Interference

The consequence:

- Poor in-building Fire Fighter radio signal coverage and “dead spots”
- Emergency responders lose communications
The PROBLEM:
Lack of radio signals in portions of the building.
The SOLUTION:

**Distributed Antenna System (DAS).** A network of spatially separated antenna nodes connected to a common source via a transport medium that provides wireless service within a structure.
Available information will determine accuracy of design, schedule and budget.
IB-Wave Design

- Benefits of IB-Wave Modeling
  - Signal Prediction for new construction.
  - Design layout for installers.
  - Submittal documentation for AHJ’s and A&E’s.
Interior antenna coverage
FAQ’s about Fire Alarm Systems

What happens when copper phone lines go away?

When do I have to bring my existing fire alarm up to current code?
Fire and Life Safety in Your Facilities

What should I do now?

• Remember, the public is not aware of risks and potential for harm that exists in your facilities. They expect that you are providing a safe environment for them.

• Don’t do your job to keep from being in trouble. Do your job because it’s the right thing to do.
What should I do now?

• Remember one little lie can cost the world a treasure.