Fourth Quarter Fire Marshal Training Program
South Carolina State Fire
in partnership with

presents:

CAN YOU HEAR ME NOW?
An Overview of In-Building Communication Systems

Note: During the fourth quarter, there are two separate programs, each worth five CEU’s (ICC Preferred Education Provider). The Regional training course is more technical in nature. The Columbia training (see page two) features keynote speaker, Chief Alan Perdue, of the Safer Buildings Coalition.

Click here to register. Select course code 8506.
Quarterly Fire Marshal training starts at 9 a.m.

Regional Training: (Darlington, Greer, Rock Hill, Greenwood, or North Charleston)

<table>
<thead>
<tr>
<th>City</th>
<th>Date</th>
<th>Location</th>
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<tbody>
<tr>
<td>Darlington</td>
<td>Wednesday, Oct. 24</td>
<td>First Baptist Church</td>
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<tr>
<td>Greer</td>
<td>Tuesday, Oct. 31</td>
<td>Greer City Hall</td>
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<tr>
<td>Rock Hill</td>
<td>Tuesday, Nov. 14</td>
<td>Manchester Complex</td>
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<tr>
<td>Greenwood</td>
<td>Thursday, Dec. 7</td>
<td>Greenwood City Library</td>
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<tr>
<td>North Charleston</td>
<td>Wednesday, Dec. 13</td>
<td>Charleston City PS Bldg, Room B339</td>
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Kern Davis, VP Business Development & Consulting and CTS Public Safety Equipment manufacturing companies is providing a presentation on the current state of mobility, basic understanding of Radio Frequency (RF) and In-Building Solution Design approaches, and a high level overview of how this relates to South Carolina NFPA/IFC Code requirements. Afterwards, there is a panel discussion and Q&A.

This training session is designed to provide a fundamental understanding of how In-Building Distributive Antenna Systems (DAS) work to solve the critical need for ubiquitous communications for the First Responders.

- **RF101** – Provides a quick and understandable introduction to 1) the basics of radio frequencies, the spectrums and technologies being used today, 2) a history of wireless and the current explosion in demand for bandwidth, and 3) an understanding of what is on the horizon.

- **DAS101PS** – Provides a high level understanding of 1) the basics of repeater driven in-building enhancements, 2) typical design considerations with a focus on public safety requirements, and 3) near far effect design mitigation.

- **DAS Equipment** – Provides a hands-on with Repeater, DAS, and passive materials (antennas, cabling, splitters) experts. Q&A opportunity.
The Safer Buildings Coalition’s Public Safety In-Building Radio Booster System Code Training course is designed to provide attendees with an understanding of the application of model fire codes and standards (International Fire Code/National Fire Protection Association Standards #72 & #1221) related to In-Building Public Safety RF Booster Systems. This interactive course provides content related to these learning objectives:

- The ability to locate, interpret and apply model code requirements on the job.
- Understand and apply requirements for circuits, pathways, backup power, redundancy, and signal quality.
- Understand basic radio frequency (RF) and the function of Public Safety RF Booster System Components.
- Ability to review actual Public Safety RF Booster System design plans and specifications and identify common design errors and other non-compliance issues.
- Ability to understand system acceptance and testing requirements.
- Actively participate in round table discussions covering best practices and lessons learned.
- Ability to identify the components of a Public Safety In-Building Radio Booster System.

**Equipment Displays:**
In addition to classroom discussion, Distributed Antenna System, Bi-Directional Amplifier, antennas and other related equipment is provided for the attendees to examine, handle, and ask questions about its proper installation and maintenance.

**Instructor: Chief Alan W. Perdue, Executive Director, Safer Buildings Coalition**
Chief Perdue began his public safety journey as a volunteer firefighter in 1977 with the Pinecroft-Sedgefield Fire Department and was hired by Guilford County Department of Emergency Services in 1979. He progressed through the ranks and was appointed Emergency Services Director in July 2003 and retired in February 2013. Chief Perdue is credentialed as a Chief Fire Officer (CFO) and Fire Marshal (FM) through the Center for Public Safety Excellence Commission for Professional Credentialing.

Chief Perdue currently serves as Commissioner on the CPSE Commission for Professional Credentialing, a member of the International Accreditation Services Technical Advisory Committee for Fire & Life Safety Departments, a member of the International Code Councils Codes & Standards Council and as an Elected Guilford County Commissioner.

Chief Perdue served eight years as the International Director representing Fire & Life Safety on the International Association of Fire Chiefs Board of Directors and 12 years as the Governor’s fire service appointee to the North Carolina State Building Code Council.

**About Communication Technology Services:** CTS is an all-inclusive IT Professional Services Provider with national presence providing Full Turnkey and Managed Services Capabilities for all major DAS, Small Cell, and WLAN vendors. Besides our certified professional services offerings, CTS offers BICSI certified structured cabling and general contractor services. Our growing organization with more than 450 techs, field managers, and engineers allows us to have ‘boots on the ground’ and provide the best post-deployment support. CTS has earned preferred vendor status for Sprint, AT&T, T-Mobile and Verizon Wireless. CTS...Empowering Mobility

**CTS is a proud member of the Safer Buildings Coalition...**