

“Can You Hear Me Now, When You Need It”

An Overview of In-Building Public Safety Communication Systems **Course #RN16290**

Westell Technologies – Rick Rausch, Director of Sales and an RF/DAS Engineer has over 25 years of experience in the Telecom Industry from Wireless Carriers, DAS Integrators, and DAS/PS Equipment OEMs. Westell is a Wireless Equipment, Monitoring, and Fiber Product manufacturing company. The presentation will provide a current state of Mobility, Basic understanding of RF and In-Building Solution Design approaches and a high level overview on how this relates to Florida - NFPA 72, 1221 & IFC 510 Code requirements.

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, AHJ's and Public Safety officials. Q&A opportunity at the end of each section as well.

NFPA / IFC 510 Codes – Overview of sections of National and International Fire Codes that address In-Building Wireless First Responder Coverage Solutions for equipment standards, Installation guidelines, and Testing.

RF101 – Designed to provide a quick and understandable introduction to (1) the basics of radio frequencies, the spectrums and technologies being used today and (2) a history of wireless and the current explosion in demand for bandwidth, and (3) an understanding of what is in sight for tomorrow.

DAS101PS – Providing 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 - Providing a hands on with Q&A opportunity with Repeater, DAS and passive Materials (Antennas, Cabling, Splitters) experts.

- Learn about national and local code mandating public safety DAS systems in buildings
- Expand your knowledge and expertise on Public Safety DAS infrastructure solutions
- Gain insight on how to properly evaluate a Public Safety DAS design and installation

Equipment Displays:

In addition to classroom discussion, Bi-Directional Amplifier, Antennas and other related coax and passive equipment will be provided for the attendees to examine, handle and ask questions about its proper installation and maintenance.