EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEMS CERTIFICATION TRAINING

Receive years of knowledge in a concise, systematic way that will enhance your skill level, regardless of your experience level!

These Courses are applicable for ETAI or NICET Certification

These courses are for anyone interested in learning fundamental and advanced theories, components, installation, maintenance and support of in-building Distributed Antenna Systems. These courses focus on the application and optimization of active and passive BDA's used in today's DAS systems. Students completing these courses will better understand how DAS systems function and why the design is critical to proper operation. Exposure to RF energy and related safety subjects will be addressed. The training includes requirements and best practices needed to approve system designs as spelled out in the *International Fire Code (IFC) Section 510 Emergency Responder Communications Coverage (ERCC) and National Fire Protection Association (NFPA) 1225 code* with specific discussions to ensure that the DAS is meeting the standards for the AHJ, DAS basics, how to recognize a system design, and FCC rules and regulations for ERCES.

Discussions will include:

☑ Antenna types, mounting techniques, propagation, gain and losses, decibels, pattern distortions, return loss, distance-to-fault, range, impedance matching, bandwidth, efficiency, power levels, types of BDA's, selecting the correct components for optimal results, polarization, transmission line selection, fiber optic connectivity, antenna diversity, splitters, couplers, taps, lightning protection, donor antenna to distribution antenna isolation, FCC licensing requirements, commissioning, optimization, and troubleshooting, along with *NFPA 1225 and IFC 510 Code Compliance*.

Hands-on demonstrations will include:

☑ Testing fundamentals, connectorization, reflectometers, RF wattmeters, calibration, determining problems, distance-to-fault measurements, system sweeps, spectrum analyzers, isolation, noise floor, grid testing, building egress, noise figure, and fiber optic test equipment.

CURRENT OFFERINGS INCLUDE INSTALLER AND CODE COMPLIANCE

Training when you want it, where you want it!

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