

ERCES Trainer LTD and WESCO presents

In-Building Public Safety Communications (IB-PSC) NICET IB-PSC Exam Prep Training

May 12-13th, Kent, WA

Place your company above the competition with NICET IB-PSC Certification. NICET is the only certification for ERCES installers that is meaningful, verifiable, and generally acknowledged by fire code officials.

This course covers best practices for surveys, construction and commissioning of the equipment used in Emergency Responder Coverage Enhancement Systems (ERCES) and to prepare the student for NICET IB-PSC exams. Includes hands-on time learning to use the essential test equipment that is necessary to properly test and commission ERCES Systems.

What students should expect to learn:

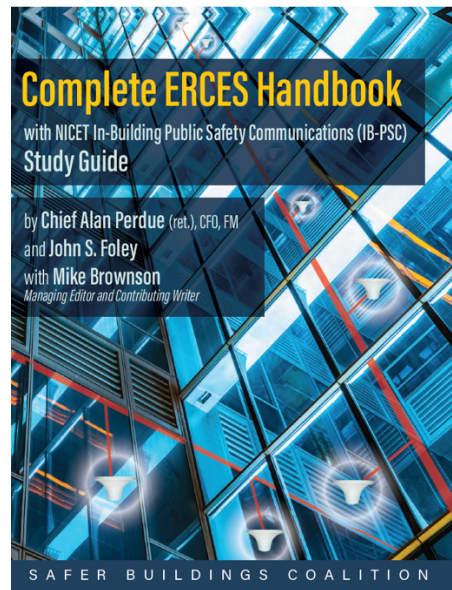
Public safety BDA installation is complex—and the stakes are high. One mistake can compromise emergency communications or take down a donor site. This training equips you with the critical skills to install, test, and commission systems that are code-compliant and interference-free. You will master the entire workflow: from initial coverage assessment to final optimization. We also include a dedicated module for NICET IB-PSC candidates, offering proven tips and practical knowledge review to fast-track your certification.

- ❖ **Performing Rough Installation Activities**
 - Read and follow RF System installation documentation.
 - Install Cable (e.g. support, fire stopping, grounding, etc.).
 - Terminate cable.
 - Install passive equipment.
- ❖ **Performing Finish and Trim Out Installation Activities**
 - Install donor antenna.
 - Install active equipment.
 - Install dedicated annunciator.
 - Install battery backup (BBU).
- ❖ **Define the project scope**
 - Review and interpret project specifications.
 - Review and interpret project documents.
 - Understand and comply with project schedules.
- ❖ **Evaluating RF Signal Strength and Quality**
 - Measure RF signal strength and quality.
 - Troubleshoot issues that impact RF performance.
- ❖ **Performing Commissioning, Acceptance Test, and Maintenance**
 - Adjust headend and remote amplification equipment.
 - Test system alarms.
 - Test battery backup (BBU).

Course Agenda:

- The NICET Certification Process
- Project Planning, Construction & Lifecycle
- Codes & Standards
- Radio Systems Explained
- Understand Radio Frequency (RF) and Decibels
- Site Surveys & Test Equipment
- Understanding Link Budgets
- Understanding Distributed Antenna Systems (DAS)
- DAS Components, Construction
- Best Practices for Testing BDAs
- Preparing a Close Out Package

About the Instructor



All students will receive a personal copy of the Complete ERCES Handbook, the most comprehensive book published on the topic of Emergency Responder Communications Enhancement Systems.

Your Instructor, Mike Brownson, has more than five decades of wireless industry experience, including 25 years of providing public safety in-building solutions, designs, products, and technical support. Mike has developed a wealth of knowledge which he enjoys sharing. Due to this experience, Mike was selected by the Safer Buildings Coalition (SBC) to collaborate in creating and producing the Complete ERCES Handbook. As SBC's Education Advisor and managing editor and contributing writer of the Handbook, Mike looks forward to enhancing the competency of the industry professionals through his training program.

The Details:

Dates: May 12-13th, 2026

Time: 8AM to 4PM each day

Location: WESCO 21419 64th Ave South, Kent, WA 98032

The instructor will bring examples of test equipment used for ERRCS/ERCES testing and evaluation including: spectrum analyzer, cable analyzer, signal generator.

Each training day will include a break-out period for students to practice with the test equipment simulating the common principles and practices involved in doing RF surveys, generating clean test signals, and validating and troubleshooting coaxial cable networks and antenna systems.

Register at: <http://www.eventbrite.com/e/1986014792707/>