Technical Security Training

from the industry leader.

REI offers the largest commercially available Technical Surveillance Countermeasures training facility in the world.

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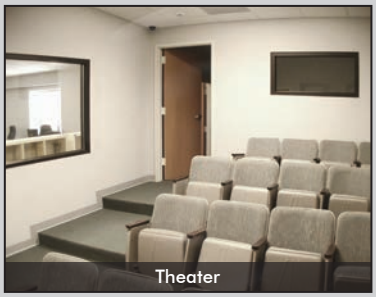
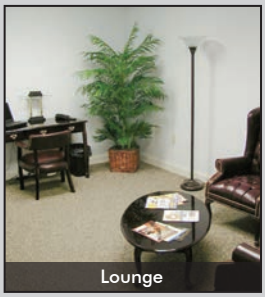
Classroom training plus hands-on exercises in live project rooms.

Multiple dedicated project rooms where students perform live sweeps: conference room, cubicle offices, executive office, hotel room, audio visual room, etc. Students investigate threats and live signals using multiple types of countersurveillance equipment.

Conference Room

Executive Office


Theater


Lounge

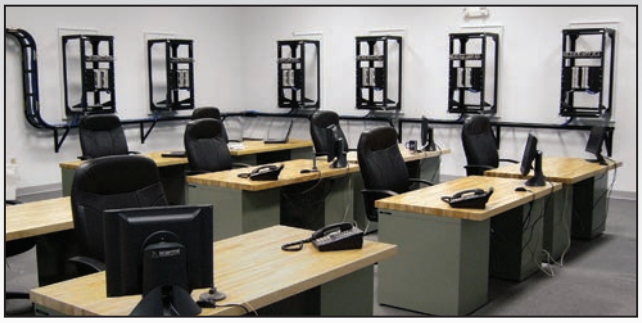
Business Office

Hotel Room

Office Cubicle

NLJD Training Wall incorporates multiple construction materials.

Specialized telephone classroom with phone block test stations and a live digital phone system.



REI's training philosophy includes hands-on exercises where students learn by doing.

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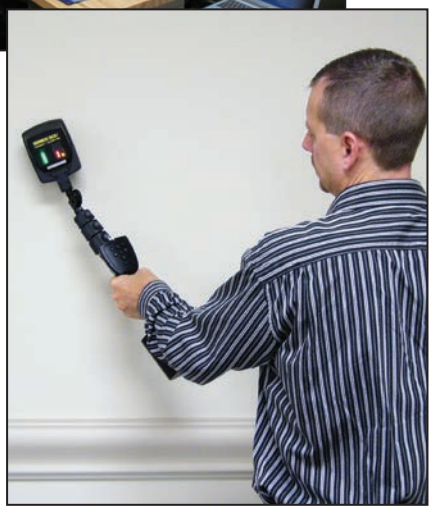
Countermeasures Core Concepts - Level 1

Prerequisite: None



The five (5) day Countermeasures Core Concepts course introduces students to the components of a countersurveillance investigation and the related sweep equipment. Students will learn about telephone testing, non-linear junction detectors, basic RF search techniques and investigative procedures. This course is designed to introduce and familiarize the technical security specialist with various counter surveillance equipment.

Course topics include:

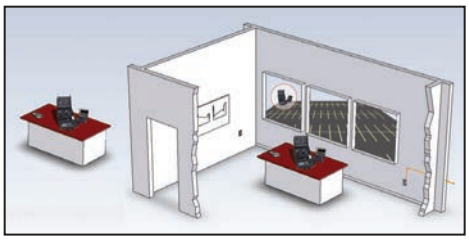
- Threat overview of commercially available devices
- Telephone testing procedures and equipment
- Physical search procedures
- Overview of various TSCM equipment including:
  - ORION
  - CPM-700
  - VPC
  - ANG
  - CMA-100
  - Other various unique physical search equipment
- General overview of commercial TDR, Thermal Imager and X-Ray equipment

All course concepts are reinforced with hands-on practical exercises.

US$945 per student (5 days of training)*

RF OSCOR Course - Level 2

Prerequisite: Countermeasures Core Concepts - Level 1



This five (5) day course continues on the Countermeasures Core Concepts course with a brief highlight of TSCM threats and equipment, and then focuses primarily on the operation and deployment of the latest OSCOR RF spectrum analyzer, including detection and location of potentially illicit or unknown RF signals using trace analysis and RF mapping.

Course topics include:

- Intro to RF Energy
- Overview of modulation schemes
- Overview of the latest OSCOR spectrum analyzer
- OSCOR operation
- RF Trace Analysis
- RF Mapping
- Advanced OSCOR functions

All course concepts are reinforced with hands-on practical exercises.

* Note: this course does NOT cover the OSCOR 5000.

US$1,895 per student (5 days of training)*

Package Price for both Level 1 and Level 2 Courses (10 days of training): US$2,440*

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TALAN Telephone Countermeasures Course - Level 2

Prerequisite: Countermeasures Core Concepts - Level 1

This five (5) day Digital Telephone Course continues on the Countermeasures Core Concepts course and provides in depth instruction on digital telephone system testing and analysis for technical threats, including the operation of the REI TALAN Telephone and Line Analyzer.

Course topics include:

- Telephone system characteristics and vulnerabilities
- Countermeasure tests:
  - FDR, Frequency Domain Reflectometry
  - Voltage/ohms tests
  - Digital demodulation and audio detection
  - Non-Linear Junction Detection (NLJD) on a wire
- Digital telephone countermeasure analysis procedures
- Other line testing and analysis.

All course concepts are reinforced with hands-on practical exercises.

US$1,895 per student (5 days of training)*

Package Price for both Level 1 and Level 2 Courses (10 days of training): US$2,440*

RF Certification Course - Level 3

Prerequisite: Countermeasures Core Concepts Level 1 & RF OSCOR Level 2

This five (5) day advanced TSCM course will provide 2 days of equipment review and advanced training, and 3 days of skill testing on REI equipment. Testing will be conducted to determine student skill levels for use of:

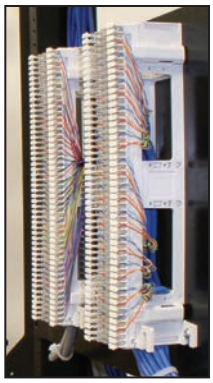
- OSCOR
- ORION Non-Linear Junction Evaluator
- CPM-700 Countersurveillance Probe/Monitor

Upon successful completion of the testing, students will be granted R.E.C. (REI Equipment Certified) credentials including a certificate. The R.E.C. credentials will be valid for one-full-year.
All course concepts are reinforced with hands-on practical exercises.

US$1,895 per student (5 days of training)*

TALAN Certification Course - Level 3

Prerequisite: Countermeasures Core Concepts Level 1 & TALAN Telephone Countermeasures Level 2



This five (5) day advanced Digital Telephone Course provides one and a half days of refresher training on the TALAN Telephone and Line Analyzer, and two and a half days of pass/fail certification testing; the last day is reserved for retraining and retesting advanced concepts of the TALAN. Individuals successfully completing the course will receive certification that the individual has demonstrated satisfactory proficiency with the TALAN. This course includes a written test, as well as hands-on operational tests.

Call +1 931 537-6032 or visit www.reiusa.net for course dates and registration.

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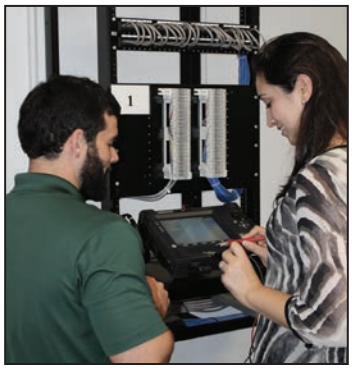
TALAN Certification Course topics include:

- Block Tests: DMM (Digital Multimeter); Audio Tests; RF; Line Driver
- Telephone Unit Test: DMM; Audio; RF; Line Driver
- Overview TALAN VoIP capabilities
- Line NLJD Test
- FDR Frequency Domain Reflectometry Test
- Line Tracer Test

All course concepts are reinforced with hands-on practical exercises.



US$1,895 per student (5 days of training)*

VoIP Course - Level 3

Prerequisite: All Level 1 & Level 2 Courses

This five (5) day course will introduce students to the emerging technology of VoIP (Voice Over Internet Protocol) from a countersurveillance perspective. Students will gain an understanding of VoIP network hardware and software basics. While the focus will be on testing the characteristics of a network to determine potential threats and vulnerabilities, students will use additional hardware and software solutions to capture and analyze multiple types of network traffic.

Course topics include:

- Advanced TALAN tests on a VoIP Network
- Telephony and Data Wiring Standards
- Power over Ethernet
- Circuit and Packet Switched Networks
- The Open Systems Interconnection (OSI) Model
- VoIP Protocols and elements of a VoIP Network
- Threats to a VoIP System
- Capturing VoIP traffic with the TALAN
- Analyzing VoIP Traffic
- Wireshark Network Protocol Analyzer

All course concepts are reinforced with hands-on practical exercises.

US$1495 per student (5 days of training)*

Advanced Equipment Use Course - Level 3

Prerequisite: All Level 1 & Level 2 Courses

The Advanced Concepts Use Course further develops equipment operators' TSCM skills with a wide variety of equipment. This class includes one day of equipment review and advanced TSCM concepts training followed by an elaborate multiple day exercise that focuses on procedures and concepts that test students' ability to deploy equipment effectively.

Course topics include:

- TSCM Equipment Review including OSCOR, ORION NLJD, TALAN, CPM-700, and CMA-100 Amplifier, Voltmeter
- Sweep Concepts Review including Threat Assessment
- Stages of a TSCM Sweep from RF to Physical Search Techniques
- Developing a TSCM Sweep plan
- In depth, multi-day sweep exercise with multiple threats types

All course concepts are reinforced with hands-on practical exercises.

US$2,195 per student (5 days of training)*

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World Class Training from the Industry Leader.

REI TRAINING ADVANTAGES

UNDERSTAND HOW COUNTERSURVEILLANCE CAN PROTECT AGAINST INFORMATION THEFT

ENSURE YOUR SWEEP SKILLS AND EQUIPMENT ARE UP TO DATE AGAINST SOPHISTICATED MODERN THREATS

EXERCISE YOUR EQUIPMENT SKILLS WITH HANDS-ON TRAINING EXERCISES IN LIVE "TARGET RICH" PROJECT ROOMS

MEET AND NETWORK WITH OTHER SECURITY PROFESSIONALS

REGULARLY SCHEDULED COURSES CONDUCTED MONTHLY

CUSTOM ON-SITE COURSES AVAILABLE

WORLD CLASS TRAINING BACKED BY THE INDUSTRY LEADER IN INFORMATION SECURITY EQUIPMENT

RESEARCH ELECTRONICS INTERNATIONAL
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ALGOOD TN 38506 USA
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800.824.3190 (US ONLY)
FAX +1 931.537.6089
www.reiusa.net

- **Dedicated Training Facilities:** over 10,000 square feet of dedicated classroom and sweep project room facilities.
- **Hands on exercises:** "target rich" project rooms where students perform countermeasure sweep exercises in "live" environments.
- **Experienced Instructors:** six full-time Instructors with over 50 years combined technical security experience as TSCM practitioners, US Army Counterintelligence agents, and instructors.
- **World Class Training:** largest unclassified technical security training facility in the world.
- **Monthly Courses:** regularly scheduled courses with fully catered lunches.
- **Custom On-Site Courses Available:** REI can plan a custom tailored course specific for your needs at your facility.
- **Complete Curriculum:** progressive curriculum for the beginner or advanced technician.

REI specializes in the design and manufacture of eavesdropping detection and countermeasure equipment and has been for over 30 years. Our products are used in over 100 countries worldwide by government agencies, law enforcement organizations, corporations, and professional countersurveillance sweep teams to protect sensitive or critical information. Contact REI for real-world, hands-on training from the Industry Leader.

Call +1 931 537-6032 or visit www.reiusa.net for course dates or to register for a course.

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