BASIC COURSE

The basic course, presented since 1998 is suitable for the individual who has no or little previous experience in technical surveillance countermeasures. The 90-hour course is presented over ten (10) working days. The course has been designed to allow prospective technical surveillance countermeasures practitioners to develop the necessary basic knowledge and skill to provide countermeasures services for their companies. The course is endorsed by CASA and recorded at the South African Qualifications Authority. (SAQA)

COSTS AND REGISTRATION

The cost to attend this two week course is **R 22 572.00 (Including VAT) per person**, excluding accommodation.

We have negotiated a discount accommodation deal with the Protea Waterfront Hotel should you wish to stay at the hotel for the duration of the course. The cost to attend the two week course, including accommodation (Sunday – Friday, both weeks) is **R 32 372.00 (Including VAT) per person** .

If you book four people from the same company or department, a fifth person can attend the

course for free. (The discount is not applicable on the accommodation portion).

You are also welcome to contact us for additional information or click here for the online registration form
.

Click here to download a brochure and registration form.

International Participants

The cost to attend this two week course is **€ 3 075.00 or US $ 3 990.00 per person**, including workshop material, pick-up and drop-off at the Johannesburg International airport, certificate, all meals and accommodation from the first Monday of the start of the course to the second Friday that the course concludes, including the weekend in between. You are responsible for your own accommodation prior to the start of the course. Additional information about the Pretoria Waterfront Hotel, Centurion is available on http://www.proteahotels.com/protea-hotel-waterfront-centurion.html

COURSE BACKGROUND

The course is based on internationally accepted training methods and a certificate is issued to each student on the completion of the course.

The presenters of the course are former Government Counterintelligence and Technical Surveillance Countermeasures (offensive/defensive) specialists who also attended similar courses, workshops and seminars in the USA, Europe and liaison intelligence services.

Students receive books, manuals and articles on the subject for the course and for future usage. The pre-course study material is distributed 2-3 weeks before the course commences to the attendees.

The course comprises theory as well as enough practical exercises enabling the student to gain all the relevant knowledge to be able to conduct a sweep and survey with confidence on the completion of the course.

Offensive methods are taught and various offensive equipment (bugging devices) are used during the course allowing students the opportunity to familiarise themselves with the functions and characteristics of these devices. **(We utilise these devices only for training purposes and do not engage in bugging, wire tapping or electronic spying)**

EQUIPMENT UTILISED

Attendees are also introduced to- and are utilising a variety of technical equipment during the course, thus affording them an opportunity to broaden their knowledge of the capabilities of each instrument. We are using equipment from a number of manufacturers for the course and do not concentrate on the equipment of one specific manufacturer.

The following equipment is used during the training :

Radio Frequency (RF) Detection Equipment

- OSCOR 5000 Omni Spectral Corrolator with the various antennas and the MDC-2100 (21 GHz) Down Converter
- ECR-2 Spectrum Analyser based Receiver, Smartscan and CoSpectra Software with the MDC-4 (1-7 GHz) Down Converter, and low level equipment such as the Scanlock ECM Countermeasures Receiver
- Ranger Countermeasures Receivers
- And the CPM 700 Probe with Accessories

Physical Search Equipment

- ORION Non-Linear Junction Evaluator
- Hawk XD and 450 Non-Linear Junction Detectors, as well as older equipment such as the Audiotel Broom, Boomerang NJD-5 and the Super Scout C4 Non-Linear Junction Detectors

- Special Amplifiers and probes
- Specialised Toolkits

Telephone Analysis Equipment

- ETA-3A Single Line Telephone Analyser
- Model 200 Multi Line Telephone Analyser
- General telephone testing equipment, amplifiers, oscilloscope, line tracing kits and multi-meters

PRACTICAL EXERCISES
Students are also taught how to conduct a pre-sweep survey and how to prepare a survey report on the completion of a sweeping instruction. The course material requires some reading and practical work after hours.

ADVANTAGES
Apart from the tremendous cost saving to have the training done locally for South Africans, those from other countries will also find that they get value for their money due to our currency's poor performance against most of the major currencies.

CONCLUSION
During the course attendees are also introduced to countermeasures, communications and privacy protection equipment such as voice, fax and data encryptors, cellular telephone jammers and acoustic noise generators.

We are at present the only company in the World providing a complete and comprehensive basic training course on Technical Surveillance Countermeasures to governments, corporations and private companies. Our training course should not be

confused with the knob turning courses presented by equipment manufacturers on their own equipment. Many others also advertise courses and training which never or seldom take place.

SUMMARY OF THE BASIC COURSE PROGRAMME

Introduction

The course will introduce the attendee to the concepts of Technical Surveillance Countermeasures, technical and real life status of current eavesdropping threats and ways to detect and counter them by covering all phases of countermeasures. The introductory phase also includes terminology and definitions.

Offensive Methods

- Transducers, Conductors, Monitoring Techniques and Listening Posts
- Hard-wire, RF and Mobile Techniques, Optical mediums, Recorders
- Radio Transmission theory and transmitter types
- Telephone operation and theory, Electronic and Digital systems
- Telephone attacks and problems areas
- Revision of offensive attacking methods and operating parameters of devices

Detection Techniques and Equipment (Main Body of Course)

- Introduction to RF countermeasures, detection equipment, spectrum analysers, scanners and wide band detectors
- RF devices and technology of eavesdropping and video transmitters
- Physical search equipment, Non-Linear Junction Detectors, countermeasures amplifiers, search techniques and tips
- Telephone tap detection techniques, telephone countermeasures, wire tracing and frame room inspection techniques
- Practical training on detection equipment
- Practical exercises with the equipment detecting "bugging" devices (On-site tasks)
- Principles of conducting a sweep survey and the different levels of service
- Composition and the formation of a countermeasures team
- Pre-survey actions and the co-ordination of technical security and an information protection programme

Defensive Actions and Communications Security

- Various defensive actions (Phases 1-3)
- Non Electronic Vulnerabilities
- Voice, Fax and Data encryptors
- Telephone Protection equipment and functions
- Acoustic Noise Generators & Cellular Telephone Jammers

Administration

Report writing, databases and records

Evaluation

An area is prepared with listening devices and each student is individually evaluated on their performance to detect the devices in a certain time period whilst utilising the different pieces of equipment