

## Course Description

Improvised electronic circuits and home made explosives (HME) are prevalent on the battlefield today, both domestically and overseas. Understanding the risks and tool options are critical when IED's contain electronic circuits that utilize commercial off the shelf (COTS) components and HME. EOD Technicians must fully realize the characteristics of these dangerous materials in order to handle them safely and eliminate the hazards they present.

The C-IED course is 10 days in length consisting of more than 70% practical training which promotes maximum retention of information and increases a technicians scope of experience. This course will provide the EOD technician with the information and training needed to increase capability when taking action against terrorist improvised explosive devices on the battlefield.

\*\*\* price quote and schedule of events (SOE) available upon request



Precision Disruption



HME Detection



Nitromethane based HME



Urea Nitrate Production



35% Peroxide

Germany IJU- 2007

## Course Deliverables

(up to 10 participants)

- Five instructors and 10 days of instruction
- Student guides and CD-ROM (electronic handout of reference material and student guide)
- HME Guide, Zero Point REF (Rapid EOD facts) Sheets
- H-kit (TRP-50- Tactical Remote Pull Line kit + HME tools) and E-Kit (Electronics Tool Kit)
- Team size Combat Exploitation Kit
- Over 16 representative training devices
- Electronic components, circuit boards, material access containers
- All chemicals and equipment for energetic practical
- All dynamic tool containers and disruptor rounds

## Training Topics

- *Threat Assessment (Conventional/HME/Cat A)*
  - *IED Electronics (Classroom and Practical)*
  - *IED Circuit diagnostics*
  - *Manual Access Techniques*
  - *General and Precision X-ray techniques and disruption*
  - *Combat Exploitation Techniques and Equipment*
  - *Identification of HME and precursor materials*
  - *Disruption and X-ray against HME*
  - *Synthesis/mixing procedures for all the HME of interest to include TATP, HMTD, R-Salt, ETN, Urea Nitrate, NG, AN based, Chlorate based, Nitro-Methane based and Concentrated Hydrogen Peroxide Organic Material (HPOM)*
- \*\*\*Prepared explosives are detonated and performance is evaluated using a steel plate deformation approach

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