Baseline Training Requirements
and
Way Ahead – Homemade Explosives

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BLUF

The current curriculum at Naval School Explosive Ordnance Disposal (NAVSCOLEOD) does not address HME IAW JP 15.1

Exploiting cache discoveries containing…homemade explosives manufacturing and storage sites is a critical task for Joint Force EOD Techs.

Background

- DOD Directive 5160.62 – SecDef Designated the U.S. Navy as the Single Manager for common individual EOD training.
  - Center for EOD and Diving (CEODD) is the designated training agent for delivery of common individual EOD training to the Joint Services through its training site NAVSCOLEOD
- Joint Service EOD Program Board approved intermediate and advanced HME objectives as a Joint Service EOD Common-Core training requirement. (8 Sep 11)
- OPNAV N95 Resource Sponsor Letter, 16 Apr 12, requested CEODD implement the NETC Course Development and Course Revision process to examine the inclusion of HME training in common type curriculum.

Training Gap
Intermediate HME Knowledge

- Basic Principles of Explosives
- Common Improvised Explosives
- Manufacture process for ANAL, UN and FOX mixtures
- Explosive, chemical hazards of common IE/HME and Precursors
- Types of explosive chemical testing equipment and methods (Raman, FTIR, indicator chemicals)
- Differences between equal size charges of IE and conventional military grade explosives

Training Gap
Intermediate HME Tasks

- Principles of explosives when encountering IE/HME
- Recognize common IE by type and threat
- Collect suspect IE/HME
- Conduct Field energetic tests
- Prepare suspect IE/HME for transport
- Advise on the manufacture of IE/HME
- Conduct post blast analysis
- Advise Commanders on neutralization techniques of common IE/HME
- Recognize clandestine lab indicators (HME and Narcotic)
- Conduct EOD operations against clandestine labs
- ID (sight or smell), common IE by type
- Utilize IE/HME presumptive field test kits to ID type of suspected IE
- Employ the principles of IE neutralization, and effects of disruptors

Training Gap
Advanced HME Knowledge

- IE/HME threat faced by CF IEDD operators
- Function, maintenance, and upkeep of common IE/HME lab equipment
- Common IE/HME precursors, safety considerations, and safe handling
- Common improvised detonators
- Explosive theory

Training Gap
Advance HME Tasks

- Demonstrate HME and general lab safety
- Conduct safety precautions and handling of IE/HME (TATP, HMTD, RDX, MEKP, UN, AN and other peroxide, chlorate, primary explosives)
- Utilize HME equipment in the manufacture of IE/HME
- ID HME precursor chemicals
- ID common IE/HME types
- Manufacture common IE/HME
- Manufacture improvised detonators
- Differentiate between IE/HME, standard military and commercial grade explosives
- Establish safe and appropriate manufacturing conditions
- Complete non explosive and live explosive chemical recipe simulating all items used in the manufacture of IE/HME
- Supervise the manufacture of common IE/HME
- Conduct neutralization or desensitization of common IE/HME
- Conduct gross field and second level sampling of common explosive chemicals
- ID the material collected using the appropriate sample method

Way Ahead

- CEODD execute the NETC Course Development and Course Revision (End to End Process)
  - Requirement Sponsor: Complete
  - Resource Sponsor: Complete
  - JDTA: Complete
  - Front End Analysis: Complete
  - Business Case Analysis: In Progress
  - Training Project Plan: TBD
  - Course Development/Pilot: TBD
  - Deliver Course of Instruction: TBD

Questions