



Attack the Network – Defeat the Device – Train the Force

DoD/Interagency Homemade Explosives (HME) Analysis & Protocols Working Group

1-3 May 2012

Homemade Explosive International Workshop
Author: Dr. Tom Clutz, Speaker: Karmen Lappo

This Overall Classification of this Brief is: UNCLASSIFIED

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Agenda

Attack the Network – Defeat the Device – Train the Force

Objective & Membership

Scope & Deliverables

Current & Future Actions

Existing Standards Research SOW

Potential Sources Identified for Research

Q&A Session

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Objective & Membership

Attack the Network – Defeat the Device – Train the Force

Develop an interagency agreement on protocols as related to testing and measurement standards for improvised explosives.

Dr. Tom Clutz, DOD/JIEDDO
WG Chair

V-Khye Fan, DOD/JIEDDO
WG Chair's Representative

Johana Hernandez, DOD/JIEDDO
WG Executive Secretary

Dr. Eric Houser, DHS/S&T
WG Co-Chair

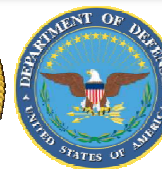
Dr. Kirk Yeager, DOJ/FBI
WG Co-Chair

Michael Leone, DOJ/FBI
WG Co-Chair

Dave Shatzer, DOJ/ATF
WG Co-Chair

Gabe Ramos, DOD/CTTSO
WG Co-Chair

Established: Feb 2012
Frequency: Weekly
Membership: 33



Department of Defense (DOD)

- Joint IED Defeat Organization (JIEDDO)
 - Acquisition & Evaluation Division (AED)
 - Technology Development Division (TDD)
 - Weapons Technical Intelligence (WTI)
 - Requirements & Capability
 - J-35: Future Operations
- Combating Terrorism Technical Support Office (CTTSO)
- Naval EOD Tech Division (NAVEODTD)

Department of Homeland Security (DHS)

- Science & Technology (S&T)
- Transportation Security Administration (TSA)

Department of Justice (DOJ)

- Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF)
- Federal Bureau of Investigation (FBI)

Department of State (DOS)

- Bureau of Counterterrorism



Scope & Deliverables

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The interagency agreement on protocols will focus on the testing and measurement standards for improvised explosives. The overall intent is for these protocols to be common guidelines that leverage and, where possible, improve upon existing standards.

Interagency Agreement on Protocols will:

- Provide a base level of testing recommended by the broader community
- Allow organizations to conduct analyses of improvised explosive materials using an agreed upon set of standards
- Enhance comparison of testing results across organizations
- Facilitate documentation of deviations necessary to each organization's unique concerns

*Interagency Agreement on Protocols will **NOT** restrict an organization's testing and measurement activities as related to improvised explosives*

Deliverable #1

*Interagency Agreement on Protocols:
Testing Standards*

Deliverable #2

*Interagency Agreement on Protocols:
Measurement Standards*

Deliverable #3

Glossary and Thesaurus

Deliverable #4

List of IE/HME Sources



Past, Current & Future Actions

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JAN 2012

- Working Group Formation

FEB 2012

10 Feb

17 Feb

24 Feb

- Working Group Charter Finalized – Objective, Scope, Deliverables, Roles & Responsibilities
- Compiled Initial List of Sources for the Existing Standards Research SOW
- Identified WTI Lexicon (version 3.1 and future versions) for Leverage in the Protocols
- Established Electronic Forum for Electronic Collaboration and Document Collection

MAR -

APR 2012

- Finalized 90-Day Existing Standards Research SOW
- Initiated MIPR Action – Total of \$200K; \$100K each from DHS/S&T and JIEDDO/AED
- Prepared for Existing Standards Research Kick-Off Meeting
- Identified WG Representation at the HME International Workshop, May 2012

**APR-MAY
2012**

- Review Existing Standards Research Deliverables
- Present at HME International Workshop (Australia)

**MAY -
JUL 2012**

- Existing Standards Research Kick-Off Meeting
- Review Existing Standards Research Outlines
- Finalize WG Protocols Deliverables



Existing Standards Research SOW

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The contractor shall develop an interagency agreement on protocols as related to testing and measurement standards for improvised explosives.

Executed by CTTSO/TSWG – Funded by DHS/S&T and DOD/JIEDDO – Deliverables Reviewed by WG

TASKS

- Develop and present 90-day project timeline
- Participate and support interagency collaboration and information sharing
- Ensure all pertinent aspects are identified and addressed
- Identify potential standards and protocols, and clearly document these methods
- Identify and catalogue existing standards and relevant IE/HME sources
- Develop glossary and thesaurus, leveraging the reference documents provided
- Ensure proper review of deliverables, to include creation of outlines for WG review
- Appropriately classify sections as necessary

REFERENCE DOCUMENTS

The following documents were provided or generated by the WG membership:

- *List of Potential Research Sources*
- *Draft WTI/HME/IED Lexicon(s)*
- *Security Classification Guides*

DELIVERABLES

- Codified and appropriately classified protocols
 - Protocols should include, but not be limited to: *test protocols; measurement protocols; safety protocols including safety and storage; signature data; verification and validation activities*
- Glossary & Thesaurus
- Reference/Bibliography



Potential Sources Identified for Research

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To expedite the Existing Standards Research, the WG compiled a list of potential sources for the contractor to initially leverage and subsequently expand.



U.S. Department of Transportation
Explosive/HAZMAT Classification



U.S. Coast Guard
HAZMAT Guides



Expanded Sources Identified Through Research



U.S. Department of Energy
Individual Lab Guides (e.g., Los Alamos)



Federal Bureau of Investigation
Safety Test Approach Standards



We welcome your recommendations and suggestions!



U.S. Department of Defense
TB-700-2 Ammunition and Explosives Hazard Classification Procedures



National Institute for Occupational Safety and Health, Center for Disease Control
Formerly known as the Bureau of Mines

COMPREHENSIVE CATALOGUE OF EXISTING STANDARDS



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Question & Answer Session



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