



Interagency IED Defeat Research and Development

Global EOD Conference and Exhibition

May 4-5, 2011

Fort Walton Beach, FL



Combating Terrorism Technical Support Office



CTTSO Organizational Objectives

- Provide interagency forum to coordinate R&D requirements for combating terrorism
- Sponsor interagency advanced technology development
- Promulgate technology information transfer
- Guide basic and applied research
- Influence policy development

CTTSO Organization



Special Operations/Low-Intensity
Conflict & Interdependent
Capabilities



Combating Terrorism
Technical
Support Office



Department
of State



Technical Support
Working Group



Explosive Ordnance
Disposal/Low-Intensity
Conflict



Irregular Warfare
Support

TSWG Organization



Advanced Analytics and Concepts

Chemical, Biological, Radiological, and Nuclear Countermeasures
DoD/DOS

Explosives Detection
DHS S&T/TSL

Improvised Device Defeat
DHS/NBSCAB

Investigative Support and Forensics
USACIL

Personnel Protection
DOE/USSS

Physical Security
ATF/DOE/OPMG

Surveillance, Collection, and Operations Support
IC

Tactical Operations Support
DoD/DOE

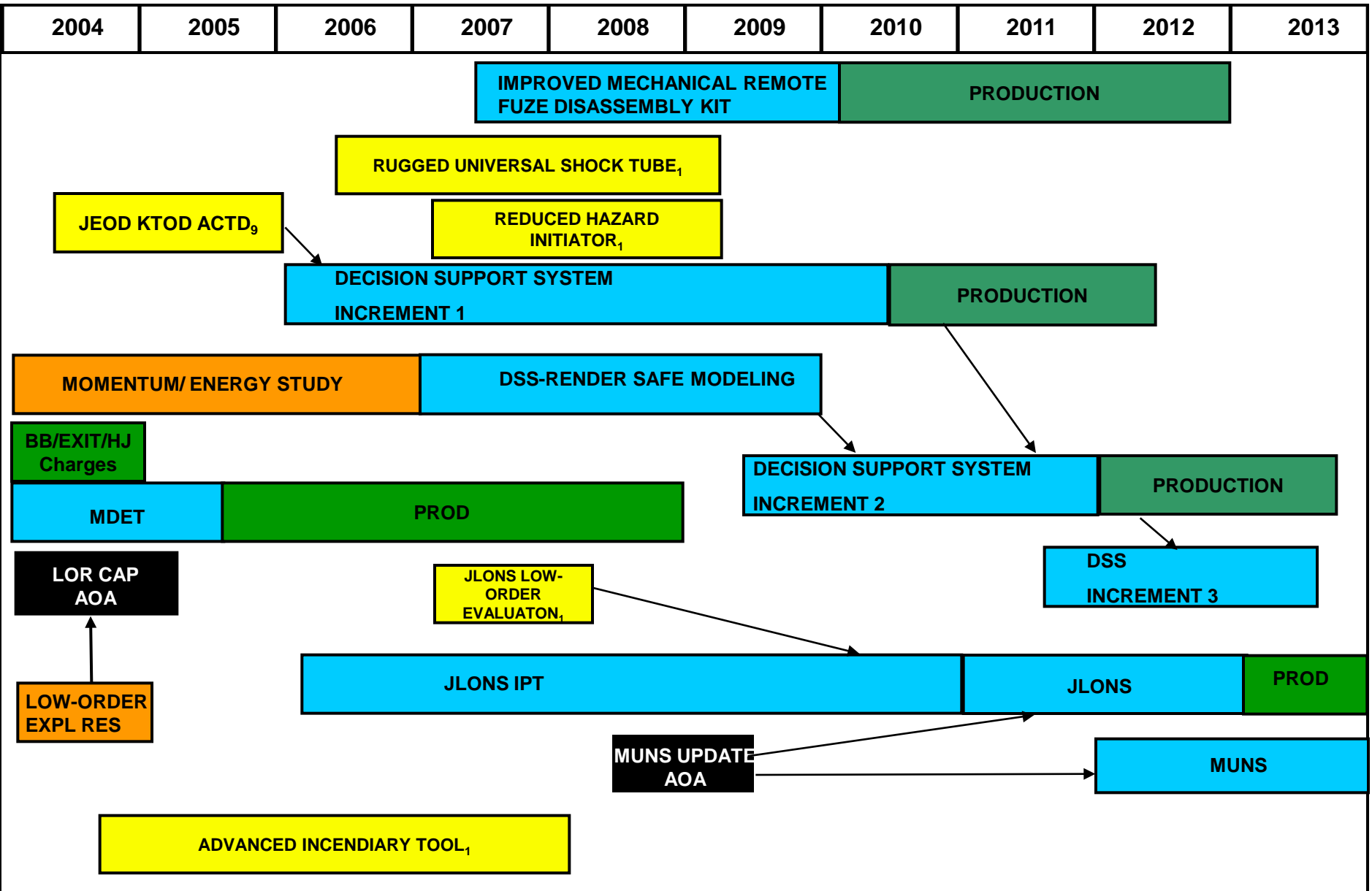
Training Technology Development
USMC



INTERNATIONAL PROGRAMS



EXPLOSIVE ORDNANCE DISPOSAL – RENDER SAFE/NEUTRALIZATION (PART 1)



6.3 SPONSORS:

- 1 - EOD/LIC 4 - DTRA 7 - ONR
- 2 - TSWG 5 - PSEAG 8 - JGRE
- 3 - OSD UGV 6 - DARPA 9 - OSD

6.2	6.3	AOA	6.4	PROD	PIP
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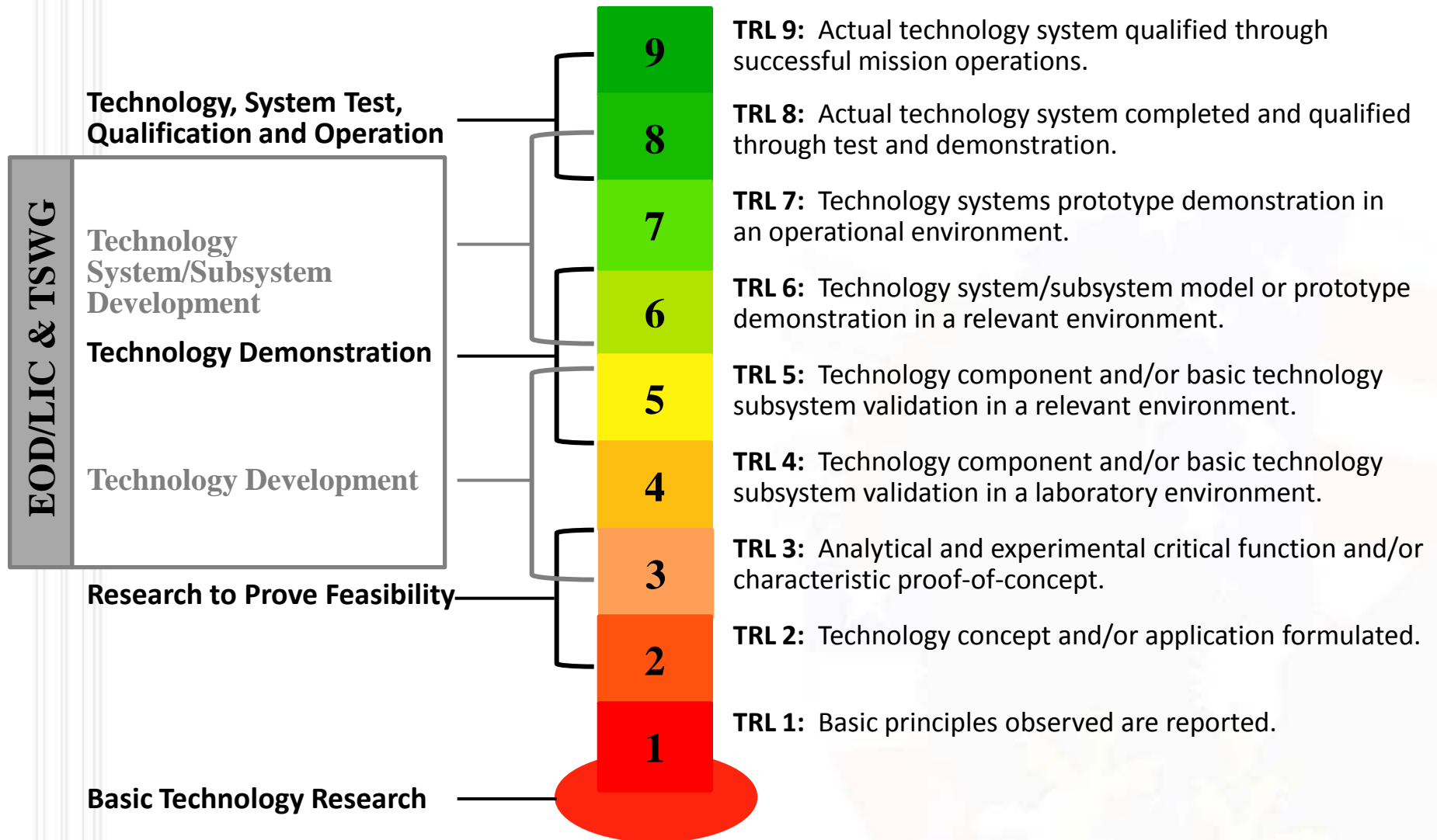


Budget Activity Definitions

<p>Applied Research (6.2) NAVEODTECHDIV</p>	<p>Systematic study to gain knowledge or understanding necessary to determine the means by which a recognized and specific need may be met.</p>
<p>Advanced Technology Development (6.3) EOD/LIC TSWG DTRA JIEDDO OGAs</p>	<p>Includes all efforts that have moved into the development and integration of hardware for field experiments and tests.</p>
<p>Advanced Component Development and Prototypes (6.4) NAVEODTECHDIV</p>	<p>Includes all efforts necessary to evaluate integrated technologies in as realistic an operating environment as possible to assess the performance or cost reduction potential of advanced technology.</p>



Technology Readiness Levels





Meeting EOD Needs

“Enhance domestic counter-IED capabilities. To better prepare the Department to support civil authorities seeking to counter potential threats from domestic improvised explosive devices (IEDs), DoD will assist civil authorities with counter-IED tactics, techniques, and procedures (TTPs) and capabilities developed in recent operations.”

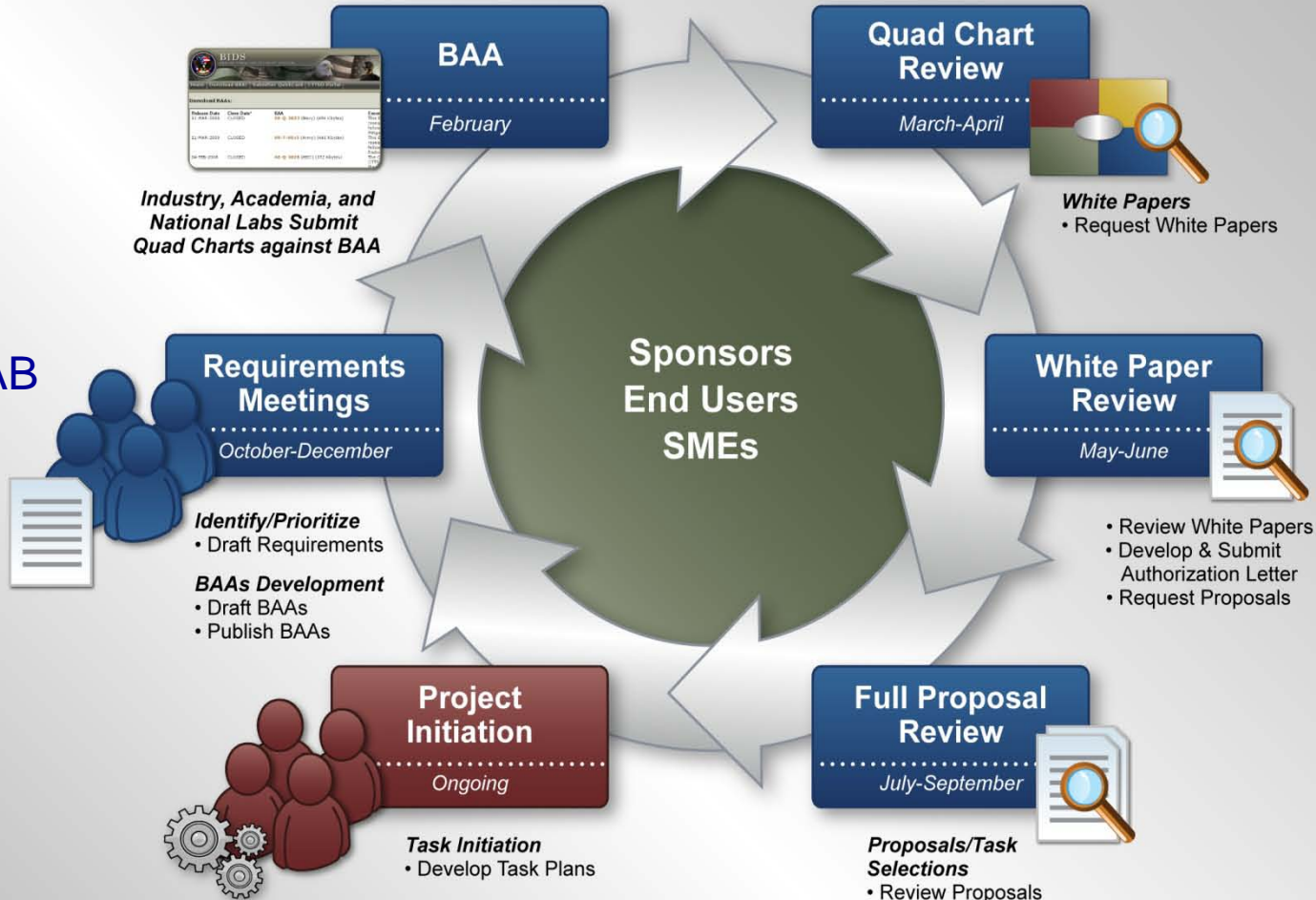
- QDR 2010

EOD/LIC	USERS	IDD
<ul style="list-style-type: none">• Provide Joint Service EOD and Special Operations Forces with advanced technologies and mission-focused solutions• Address current and emerging threats presented by unconventional and asymmetric warfare	JSEOD SOCOM NECC MARSOC AFSOC USASFC NBSCAB DoD DoS USSS OGAs	<ul style="list-style-type: none">• Identify, prioritize, and execute research and development projects that satisfy mission critical needs• Fill capability gaps and address Interagency requirements for advance technologies to safely and effectively defeat improvised terrorist devices



CTTSO Business Cycle

- MTAB
- NBSCAB





Domestic C-IED Challenges

- C-IED Network Attack and Analysis
- Detection of Homemade Explosives
- Standoff Rapid Detection of Person Borne IEDs
- Vehicle-borne IED Detection
- IED Access and Defeat
- Radio Controlled IED Countermeasures
- IED Assessment and Diagnostics
- Waterborne IED Detect and Defeat Systems
- IED Warnings
- IED Threat Characterization and Signatures



Global EOD C-IED Challenges

- Detection and Identification of Explosives, especially HME/IE
- Desensitization of HME/IE
- Standoff Detection of IED Components and Circuitry
- IED Assessment and Diagnostics
- General IED Defeat Tools
- Detection and Defeat of Hidden and Buried IEDs



A New Approach

1. Fly-Away Support Teams
 - Can assistance in defining the requirement
 - Knows existing technologies
 - Know what is technologically possible
2. Any-Time, Any-Where Requirements
 - Sometimes crazy ideas are the best solution
 - Some of the best ideas are drawn on the back of a napkin
 - Paperwork shouldn't stop you from making a difference
3. Who knows better what you need than you do? And if you aren't going to tell us what you need, who will?



My Contact Information

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Questions?

