



Global EOD Conference

Fort Walton Beach, Florida

01 MAY 2013



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Agenda



1. Mission

2. Place within NCS

3. COEs' Benefits to the Alliance

4. Structure

5. Lines of effort

6. Host Nation Support

1. Mission



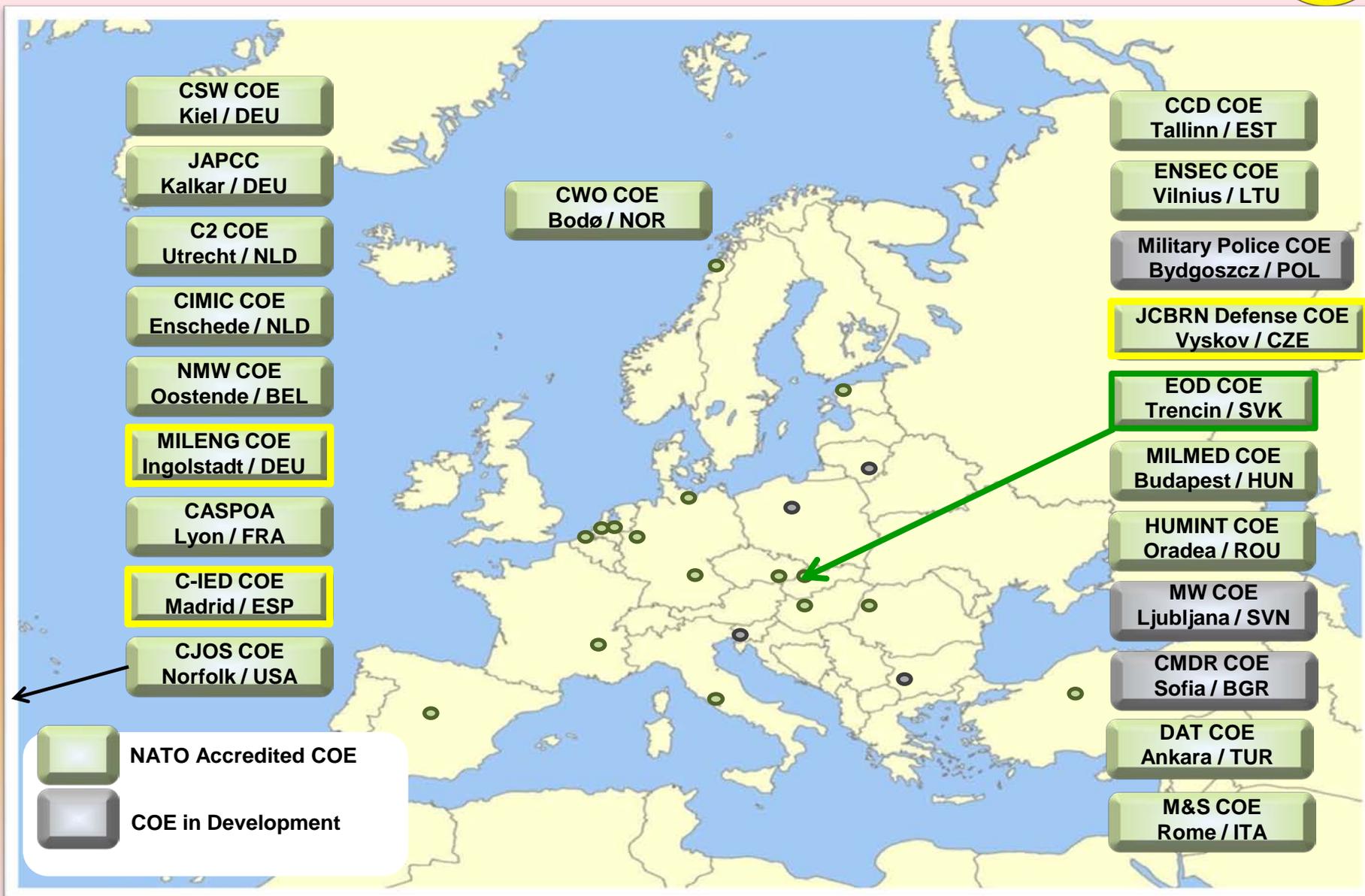
Mission

Support NATO transformation and operational efforts by:

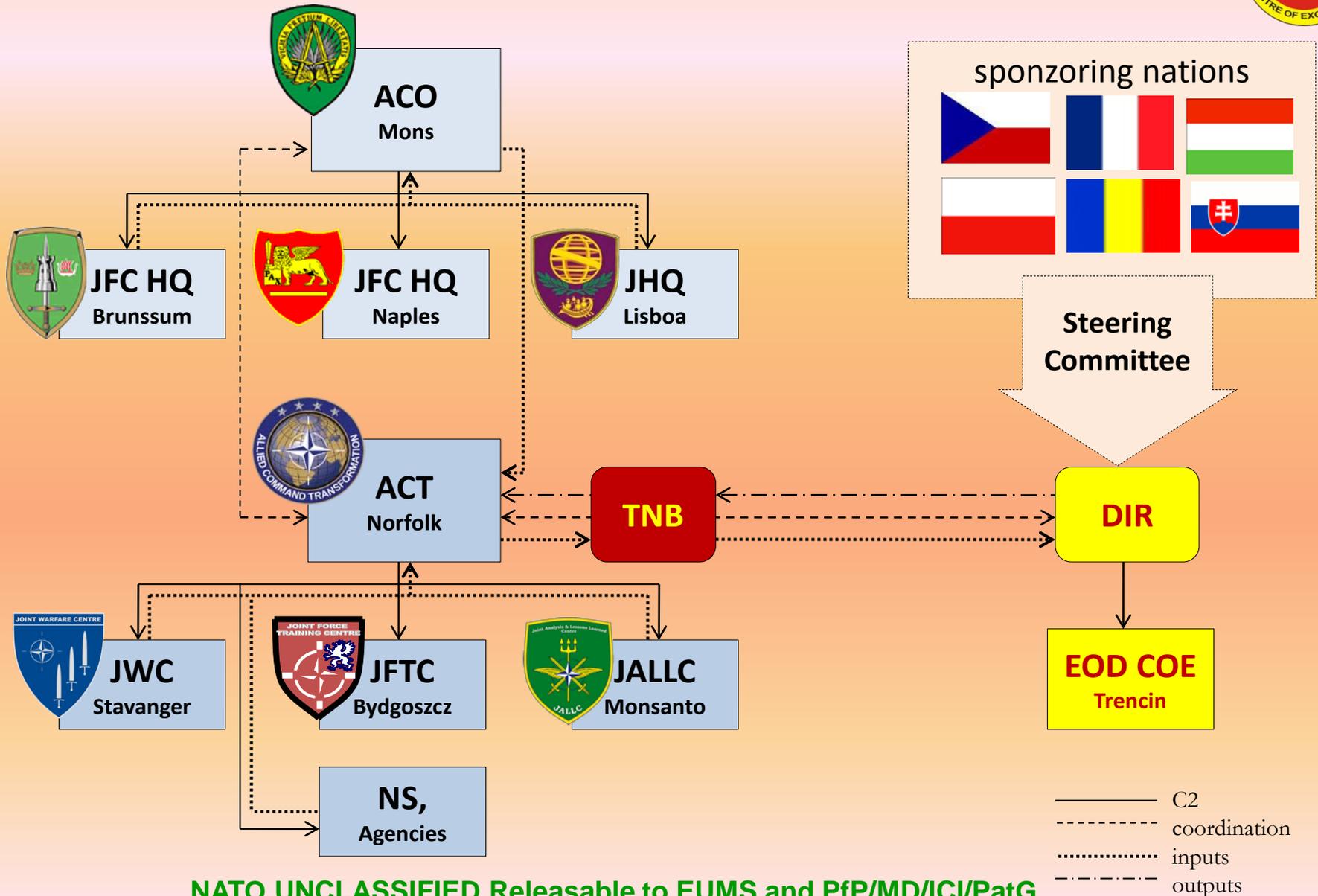
- providing EOD expertise and training to the Alliance and Partner forces
- developing Concepts and EOD Doctrine and supporting the NATO Standardization
- enhancing information sharing and NATO EOD Lessons Learned process
- remaining current in technical development



2. EOD COE place within NCS



2. EOD COE place within NCS

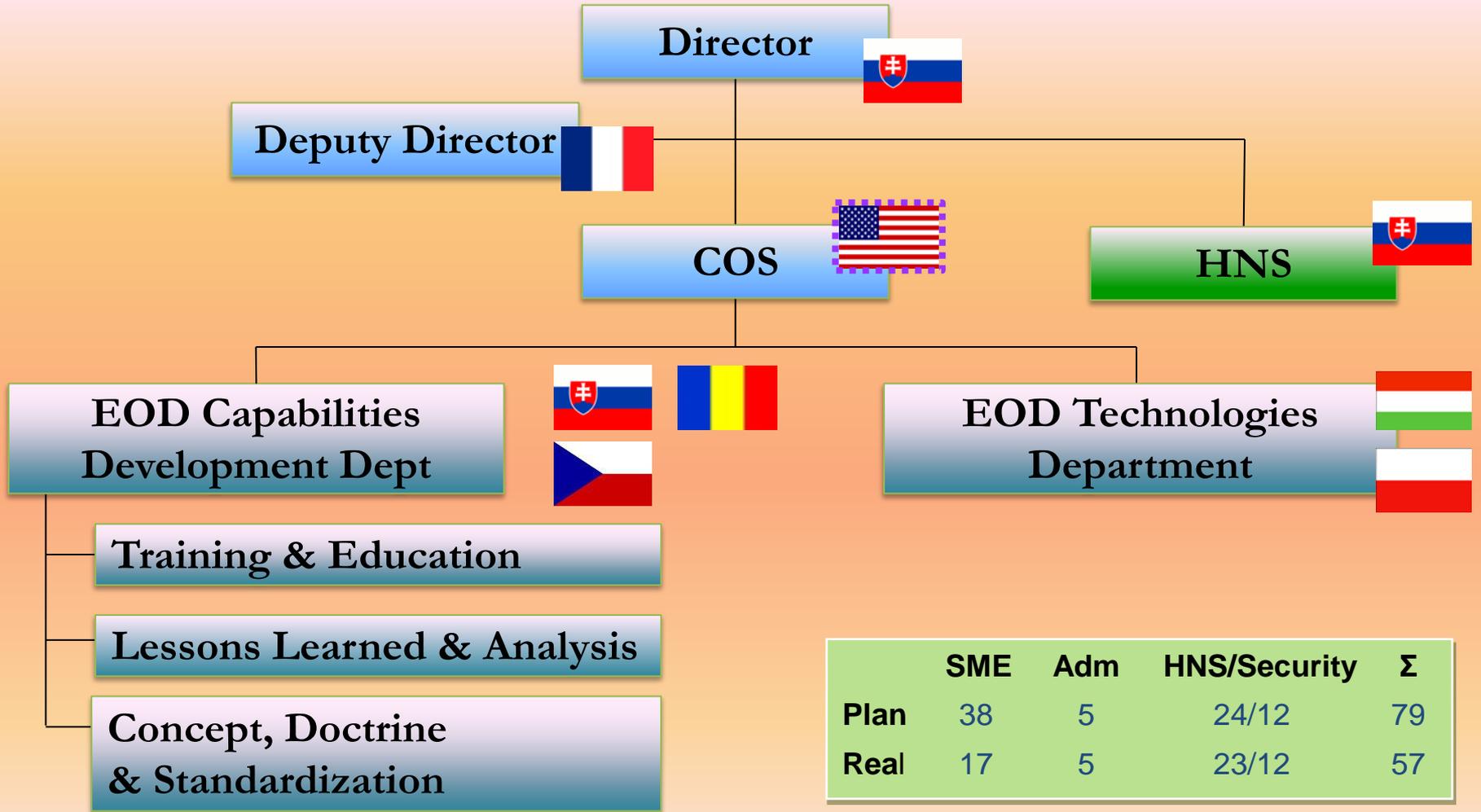


3. COEs Benefits to Alliance and Partners



- **Open to all Allies with focus on areas underdeveloped in the NCS**
- **Great potential to enhance cooperation with Partners**
- **Share common work with other nations while making a contribution to NATO**
- **Products available at no cost**
- **No duplication with the national or existing NATO capabilities – force multiplier**
- **Access to Academia and Industry without national restrictions**
- **Additional workforce not counting against NATO PE**

4. Structure



	SME	Adm	HNS/Security	Σ
Plan	38	5	24/12	79
Real	17	5	23/12	57

5. Lines of effort



a. Training & Education



**b. Lessons Learned
& Analysis**



**c. Concepts, Doctrines
& Standardization**



**d. Technologies, Research
& Development**

Vision

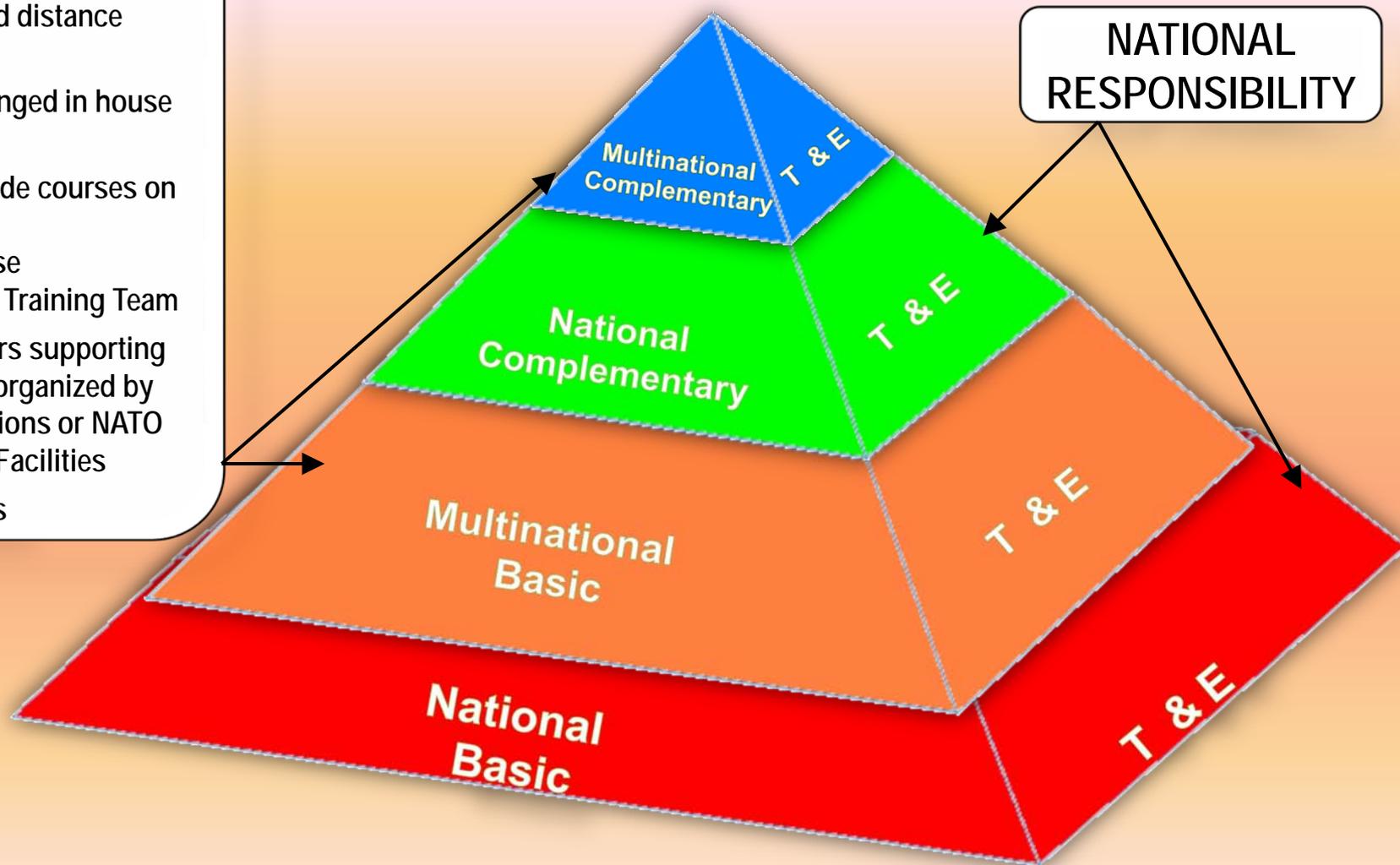
Technologically advanced, interoperable and well trained NATO EOD experts capable to support and to enable entire spectrum of Alliance operations.

5.1. EOD COE Role in NATO IT&E



EOD COE ROLE

- Advanced distance learning
- New/Changed in house courses
- Tailor made courses on request
 - in house
 - Mobile Training Team
- Instructors supporting courses organized by other nations or NATO Training Facilities
- Exercises



5.1. EOD COE Training Activities – Basics



Initial EOD Staff Officer Training
(I EOD SOT)



Former Warsaw Pact Ammunition Course
(FWPAC)

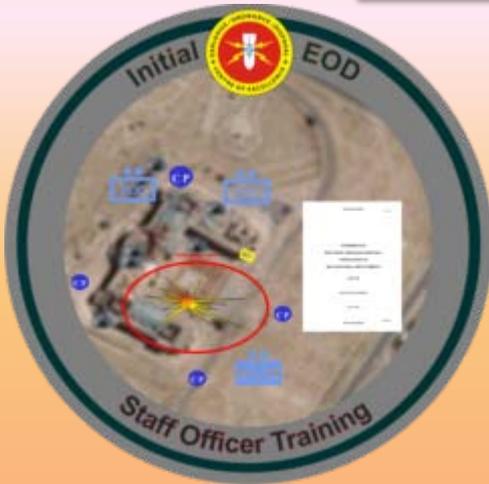


Homemade Explosive Course – Basic
(HMEC)

5.1.1. EOD COE Training delivery – 2013



Initial EOD Staff Officers Training



Nations participated



NATO EOD COE Trencin, SVK



- SOs at Bn & Bde Staffs
- how to plan, control/command and coordinate EOD/IEDD Ops
- 2 weeks (three days CEX)
- 2 x / year at EOD COE
- MTT on request

Mobile Training Team
Sarajevo, BiH



5.1.1. EOD COE Training delivery – 2013



Former Warsaw Pact Ammo Course FWP AC



Nations participated



- EOD personnel, AmmoTech
- detailed technical knowledge of ammunition (construction, marking, functionality)
- 1 week - 12 slots
- 2 x / year at NC EOD Novaky

5.1.1. EOD COE Training delivery – 2013



Homemade Explosives Basic Course (Awareness)



Nations participated



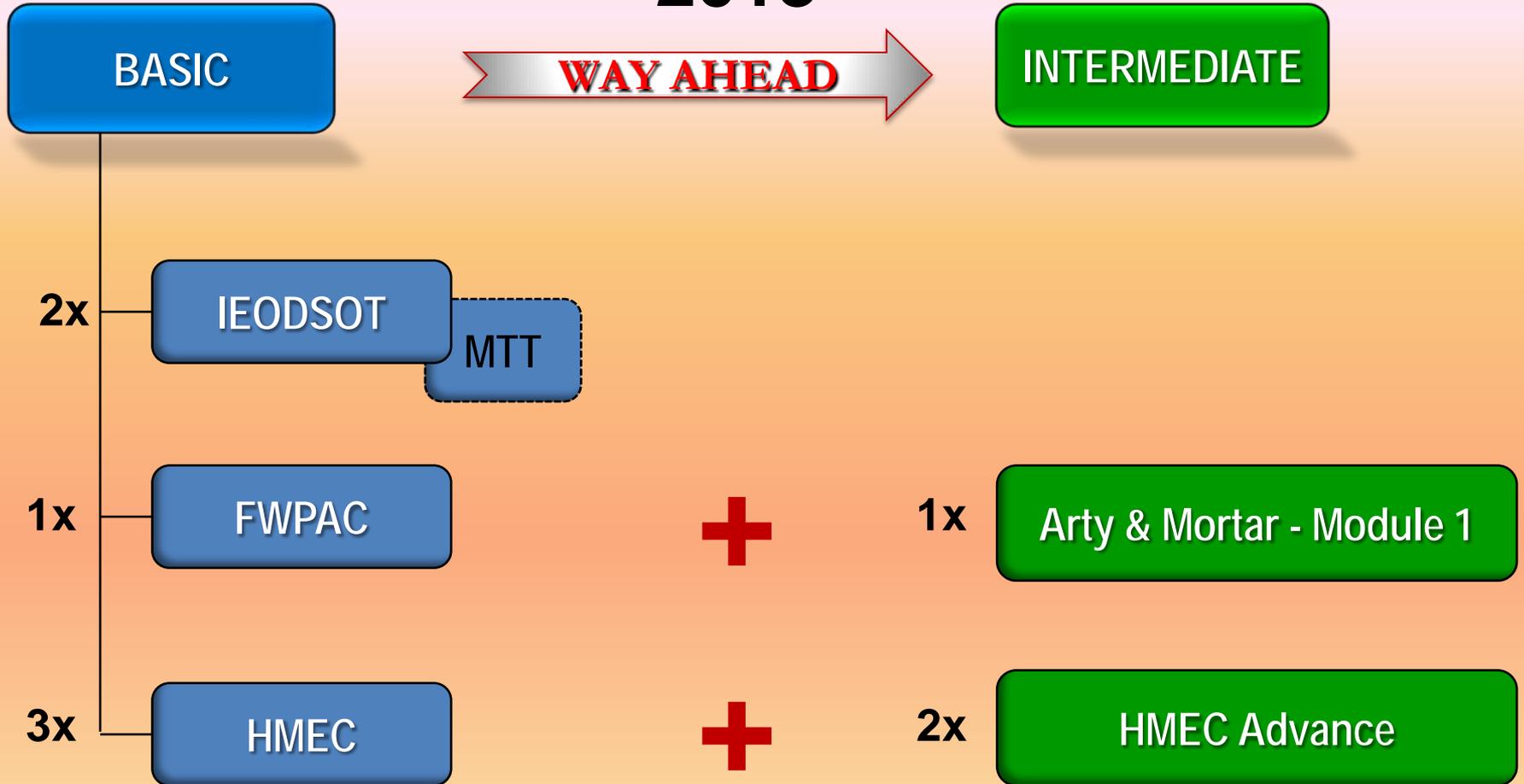
- non-EOD qualified, all ranks
- basic level (detect, identify, set up safety precautions)
- 3 days - 14 slots
- 3 x / year at ATC Novaky



5.1.1. EOD COE Training delivery – 2013



2013



5.1.1. EOD COE Training delivery – 2013



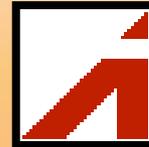
HME Advanced – Operators Course

Goal & desired outcome

respond to HME incidents as part of the initial response how to:

- assess hazards and risks
- respond to IHME incident
- detect and identify HME components
- collect & process evidence
- render safe and dispose HME or precursor materials

for further HME and components exploitation.



Basic information

- Duration: 5 days
- Target audience: EOD /IEDD qualified personnel
- Requirements:
 - Rank: not assigned
 - QLFC : HME awareness
 - Language: ENG desired 2222
- Training method: Training method: lectures/live participatory demo with secondary HME



5.1.1. EOD COE Training delivery – 2013



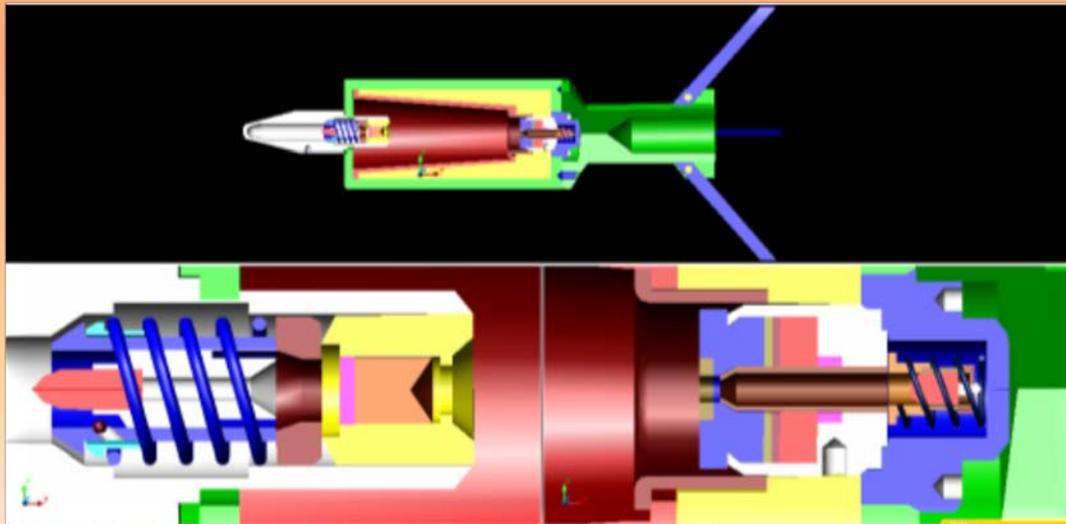
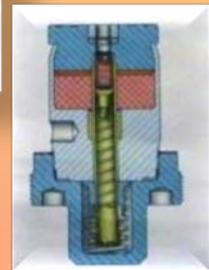
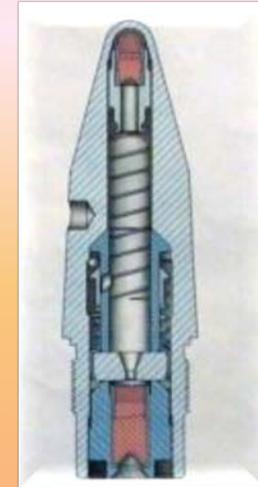
FWP AC – ADVANCED Mod.1 (ARTY MODULE)

Goal & desired outcome

provide detailed - technical information about:

- Construction
- Functionality
- Marking
- Safety considerations

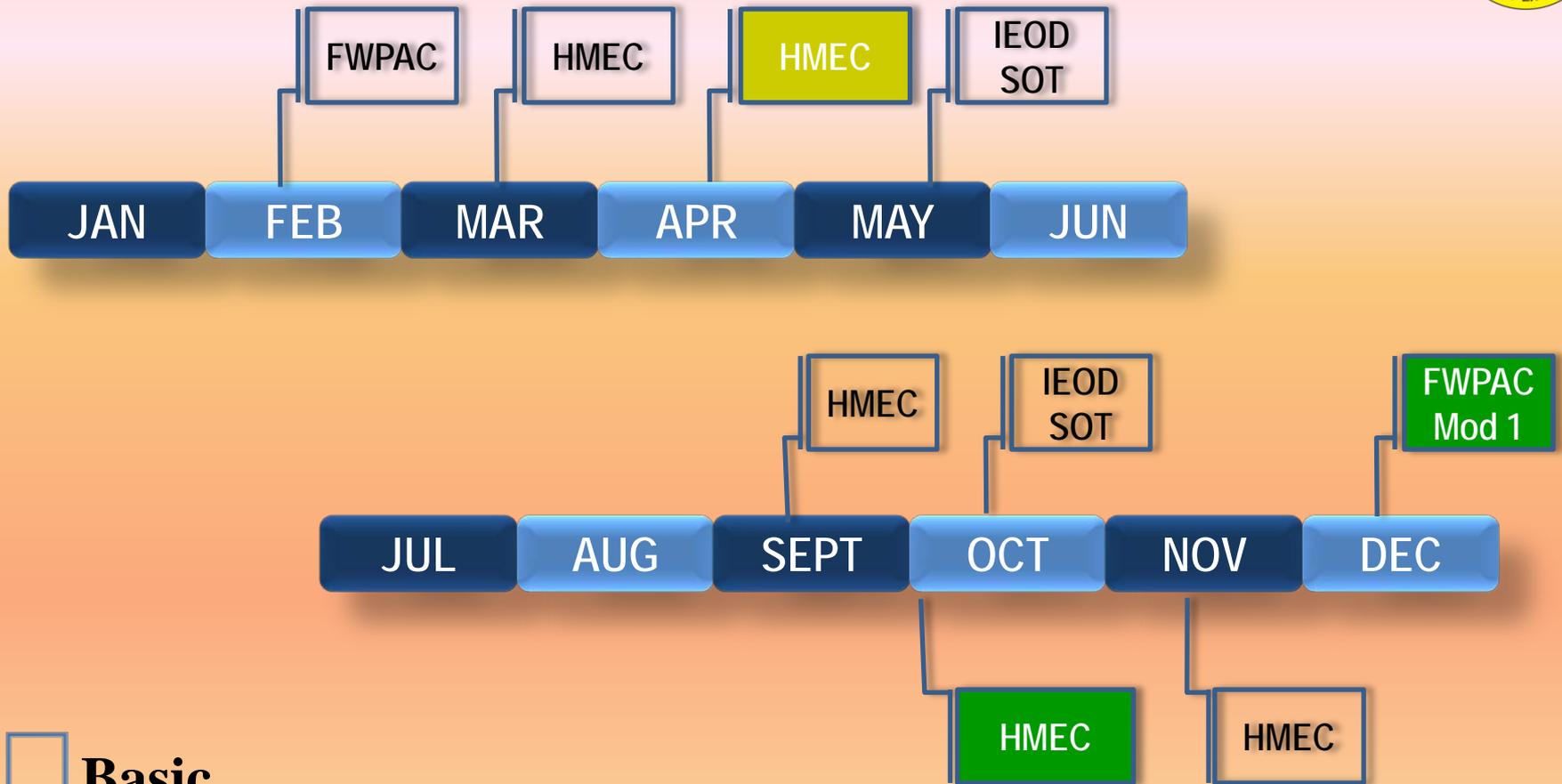
remnants of Arty ammunition detected in ongoing multinational operations.



Basic information

- Duration: 1week
- Number of students max.: up to 12
- Target audience:
 - AmmoTech
 - EOD qualified operators
- Requirements:
 - Rank: not assigned
 - Language: ENG 2222

5.1.1. EOD COE Training delivery – 2013



 **Basic**

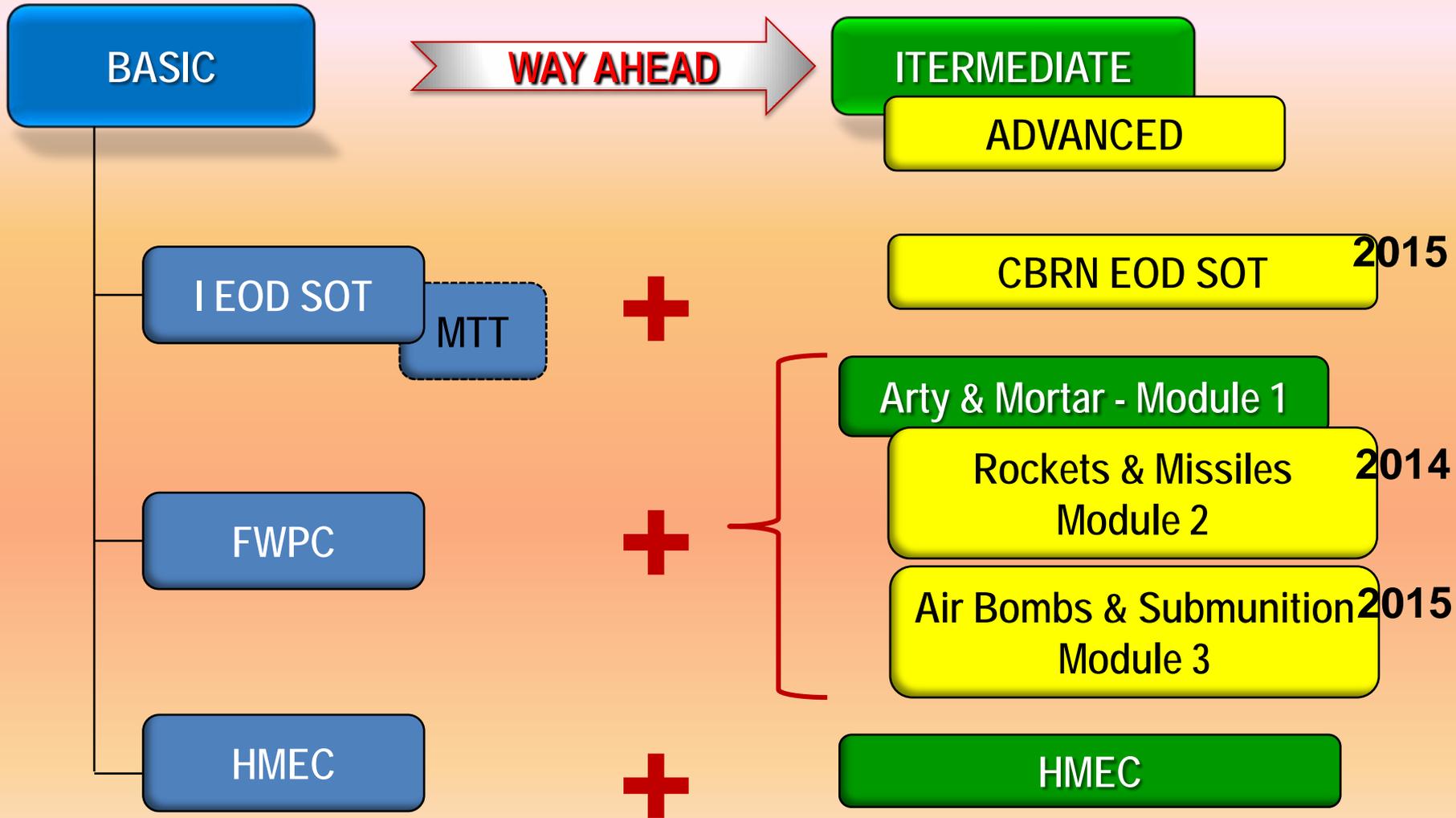
 **Advanced**

 **Train the trainers**

For details:

- EOD COE 2013 Courses Portfolio, Ed. 6
- EOD COE Website : www.eodcoe.org

5.1.2. EOD COE Training Projects 2014-2015



5.1.2. EOD COE Training Projects 2014-2015



FWP AC – ADVANCED Mod.2 (ROCKETS AND MISSILES MODULE)

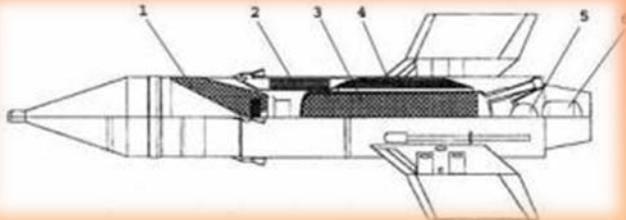
Goal & desired outcome

provide detailed - technical information about:

- Construction
- Functionality
- Marking
- Safety considerations



remnants of rockets and missiles detected in ongoing multinational operations.



Basic information

- Duration: 1week
- Number of students max.: up to 12
- Target audience:
 - AmmoTech
 - EOD qualified operators
- Requirements:
 - Rank: not assigned
 - Language: ENG 2222

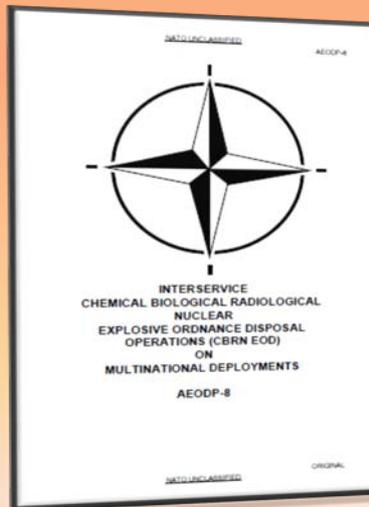
5.1.2. EOD COE Training Projects 2014-2015



CBRN EOD SO Management Course (CBRN EOD SO MC)

Goal & desired outcome: provide knowledge and standards to CBRN & EOD Staff Officers IOT manage CBRN EOD Incidents on MN deployments:

- Risk assessment
- C2 task organization
- Info flow & procedures
- EOD & CBRN Capabilities
- Safety considerations and CIMIC
- Standards (NATO & EU) & interoperability



Basic information:

- Duration: 1 week
- Number of students max.: up to 12
- Target audience (mixed): CBRN & EOD SO
- Requirements:
 - Rank: OF2 –OF4
 - Language: ENG 2222

5.2.1. Concept, Doctrine & Standardization - Delivery 2013



- Comprehensive collection of EOD terms
- NATO & non NATO sources
- Links to EOD terminology sources

Explosive Ordnance Disposal Centre of Excellence

NATO OTAN

NATO accredited Centre of Excellence

Home News and Events About us Technology Training Lessons Learned Doctrines&Standardization Web Links Contact us

ABOUT US

Mission and Task

POCs

DELIVERY

EOD Standards

EOD Terminology

Homepage > Doctrines&Standardization > DELIVERY > EOD Standards

EOD COE's STANAGs roster provides an overview of NATO EOD STANAGs offering bibliographic information and elementary characteristics.

[EOD COE's STANAG overview - entry](#)

Link to full version of NATO STANAGs:

NATO Standardization Agency (NSA) takes an active role in standardization related activities in NATO <http://www.nsa.nato.int/>

Another international organization publishing standards in EOD related subject field:

The International Mine Action Standards - IMAS
Standards for all UN mine action operations managed by UN <http://www.mineactionstandards.org/>

International Organisation for Standardization - ISO
Managing worldwide industrial and commercial standards <http://www.iso.org/>

Geneva Humanitarian Centre of Humanitarian Demining GICHD
Managing elimination of explosive remnants of war, the development, maintenance

EOD COE Terminological Database

Introduction

- additional value to already existing NATO glossaries in the field of EOD
- priority and preference usage of NATO terms, alternatives included
- comprehensive set of EOD terminology
- structured in alphabetical order
- term performance - headwords, full sentence definitions and origin
- living database, subject to periodic revision
- last update JAN 2012 containing 529 entries

Reference sources

- NATO glossaries
- official NATO reference dictionary.....
- international reference source.....
- regional reference source.....
- national reference source.....
- commercial source.....

AAP-6

AOP-38

AAP-19

COED

IMAS

ISO

WIT

5.2.1. Concept, Doctrine & Standardization - Delivery 2013



Content
 characteristics, sketches, photos, colors, markings, safety precautions



FWP AMMUNITION HANDBOOK



VOLUME 1

Hand Grenade and Artillery Ammunition

TRENČÍN 2012

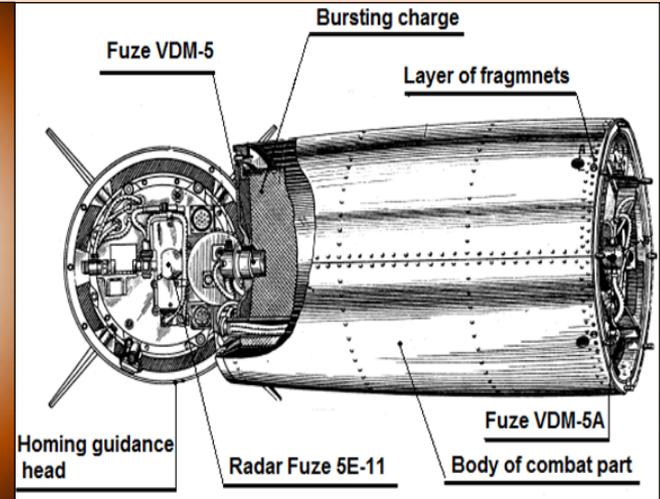
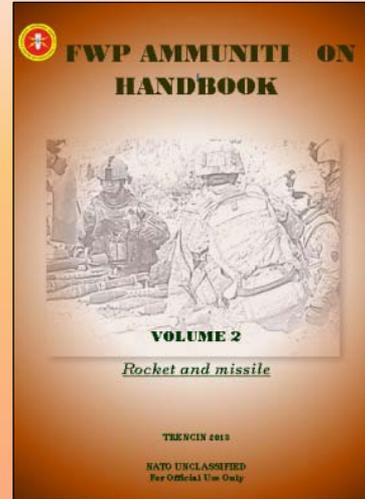
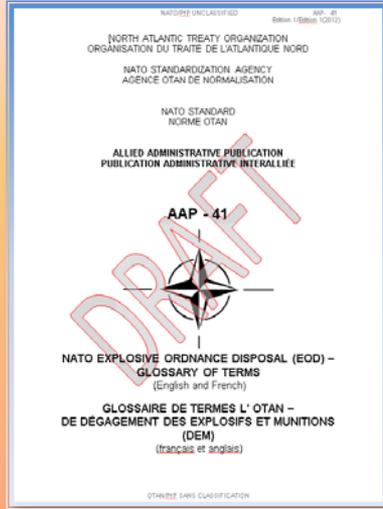
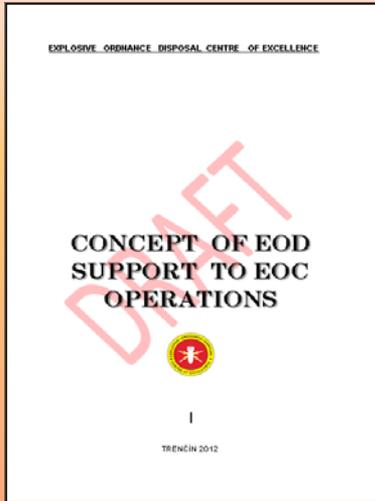
NATO UNCLASSIFIED
 For Official Use Only

Conventional Ammunition		
ELD of AMMUNITION	Mortar mine	
CALIBER	82 mm	
TYPE	High Explosive	
NAME/ASSIGNED MARK	O-832; O-832Д	
COUNTRY OF ORIGIN	Soviet Union	
DEPLOYMENT METHOD	Fired by 82mm mortar Mk.32	
FILLER	TNT	
SIZE	Diameter/Width	max 82,5 mm
	Length	325-330 mm
	Shell Thickness	13,6 mm*
WEIGHT	Shell	3100 - 3310 g**
	Explosive charge	400 g
	Total with cartridge	3128 - 3338 g**
DESCRIPTION		
<p>82 mm O-832 mortar mine with six wings stabilizer and O-832Д with ten wings stabilizer consists of drop form body and stabilizer fin. At the place where is largest diameter is bourselet with grooves, which serves to the driving of mine. Stabilizer fin is screwed on mine body and secure to release. Body is made from cast iron. Mine is filled of cast trinitrotoluene.</p>		
DRAWINGS/ CUTAWAY	PHOTO	
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>O-832Д</p> </div> <div style="text-align: center;"> <p>O-832</p> <p>Six wings stabilizer of O-832</p> </div> </div>		

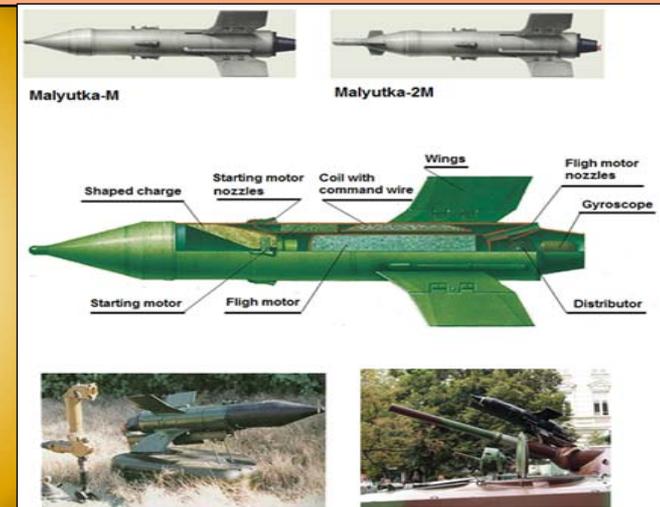
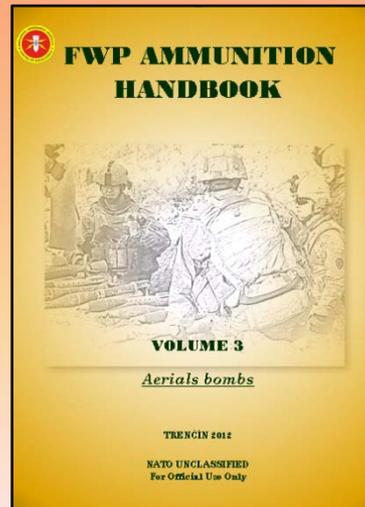
5.2.2. Doctrine & Standardization Projects 2013-2015



- AAP-41 Edition 1/updates..... 2013 - 2015
- EOD Doctrine / EOC Concept 2014



- ## FWPA Handbooks
- volume 2 2/2013
 - volume 3 4/2013



5.3. Lessons Learned & Analysis Projects 2013-2015



BICES establishment 2/2013

www.jallc.nato.int



EOD LL web page / JALLC LL portal ... 2013

Lead on LL panel/EOD WG 1/2013

ISAF EOD Operators LL Seminar
..... Dec 2013
..... annually

ISAF EOD LL Seminar 2012

Regional Commands & Major Units (p-700 troops)

5.4. Info Management & Technology Projects 2013-2015



NATO EOD D&T 2012
 Post-event publication –
 Book of Papers
 issue planned 1Q/2013



- EOD Equipment Database 2013
- NATO EOD Demonstrations & Trials 2014
- EOD Equipment Testing & Evaluation 2015

6. HNS/NC EOD - Nováky



6. HNS/AMMO Testing Centre - Nováky



6. HNS/Institute of Special Healthcare and Training



Constructive
Simulation

OTB v. 2.5



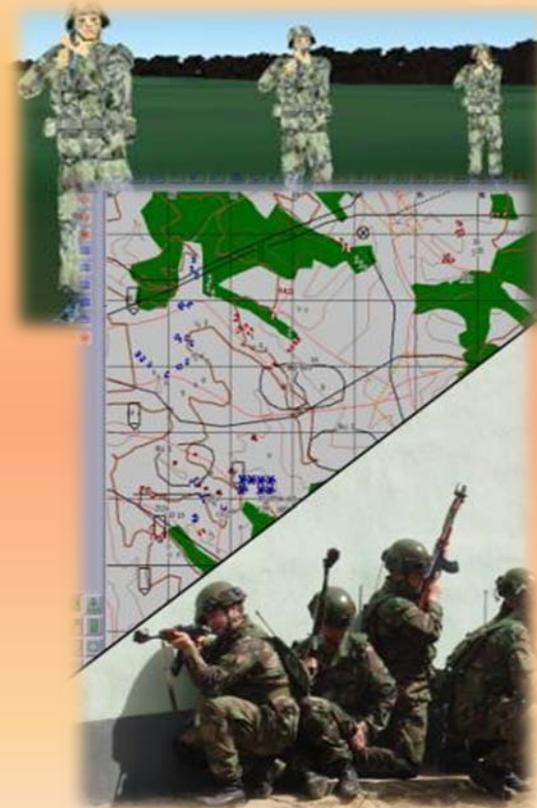
Live
Simulation

MILES 2000



Combined
Simulation

OTB + MILES



Questions ?

