



**Brief to**

## **GLOBAL EXPLOSIVE ORDNANCE DISPOSAL CONFERENCE AND EXHIBITION**

**May 2 – 3, 2012**

**Emerald Coast Convention Center, Fort Walton Beach, FL**

**Ltc. Daniel ZOLLER (Ret.)**

**EOD COE**

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# Agenda



**1. Place within NCS & Benefits to NATO**

**2. EOD COE Mission & History**

**3. EOD COE CoI & Structure**

**4. Lines of Effort**

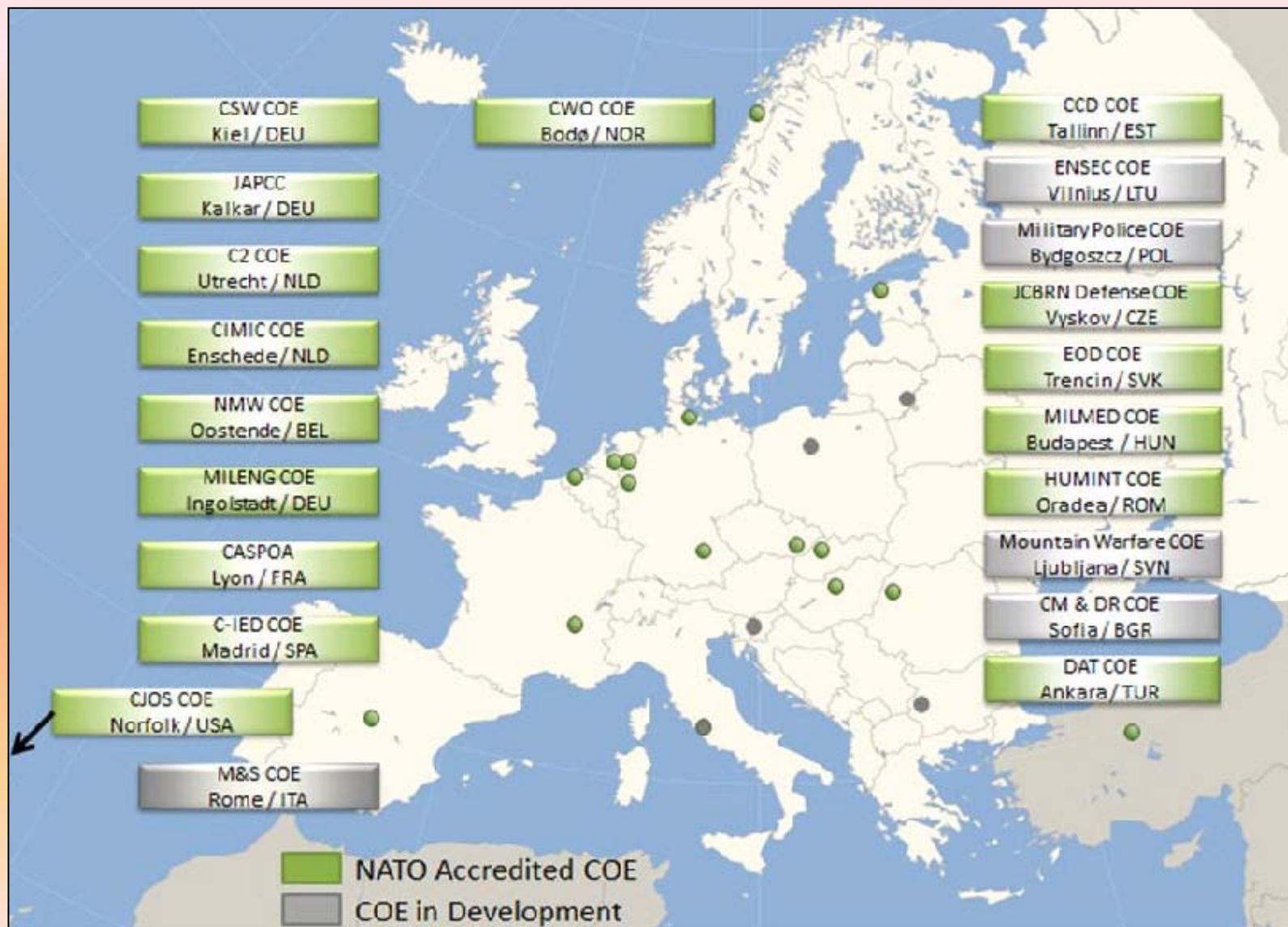
**5. Support to NATO C-IED Efforts**

**6. NATO EOD Demonstration & Trials**

**7. Host Nation Support**

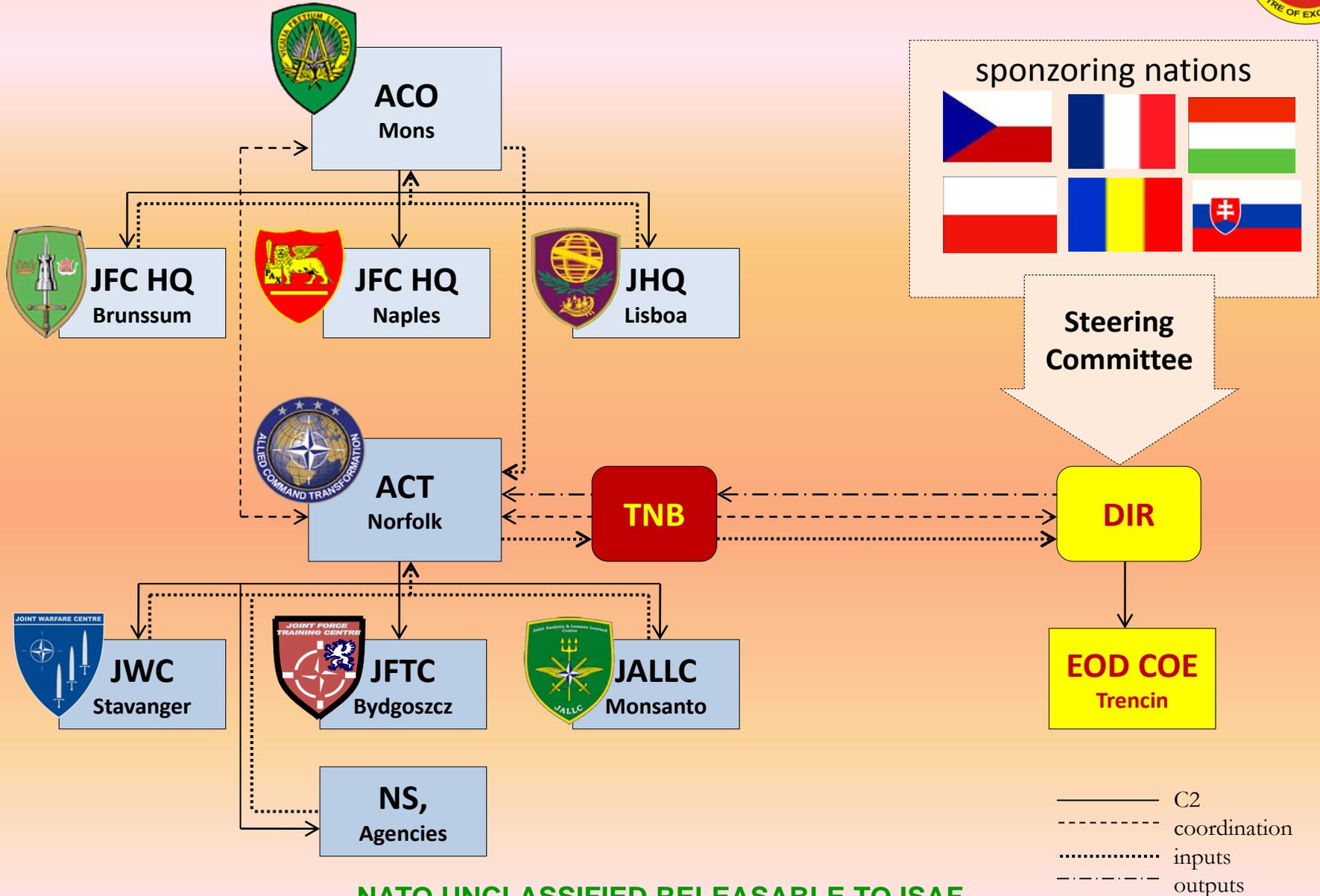
**8. Key Takeaways**

# 1. EOD COE Place within NCS



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# 1. EOD COE Place within NCS



# 1. COEs Benefits to NATO



- **Open to all Allies with focus on areas underdeveloped in the NCS**
- **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**

## 2. Mission



### Mission:

Support and enhance Alliance transformation and operational efforts by providing the EOD expertise, training to the Alliance forces and development of the NATO-wide EOD tactics, techniques and procedures while remaining current in technical development.

# 2. History



2005

First idea to develop EOD COE

2006

CHOD established organizational core

2007

The first EOD COE structure includes also national elements

2008

National EOD Concept approved  
First MOU conference organized by SVK

2009

Host Nation Support approved. Separation of the Centre into two independent bodies (national, international)

2010

Functional and Operational MOU signed  
Organizing the NATO EOD Demonstrations and Trials

2011

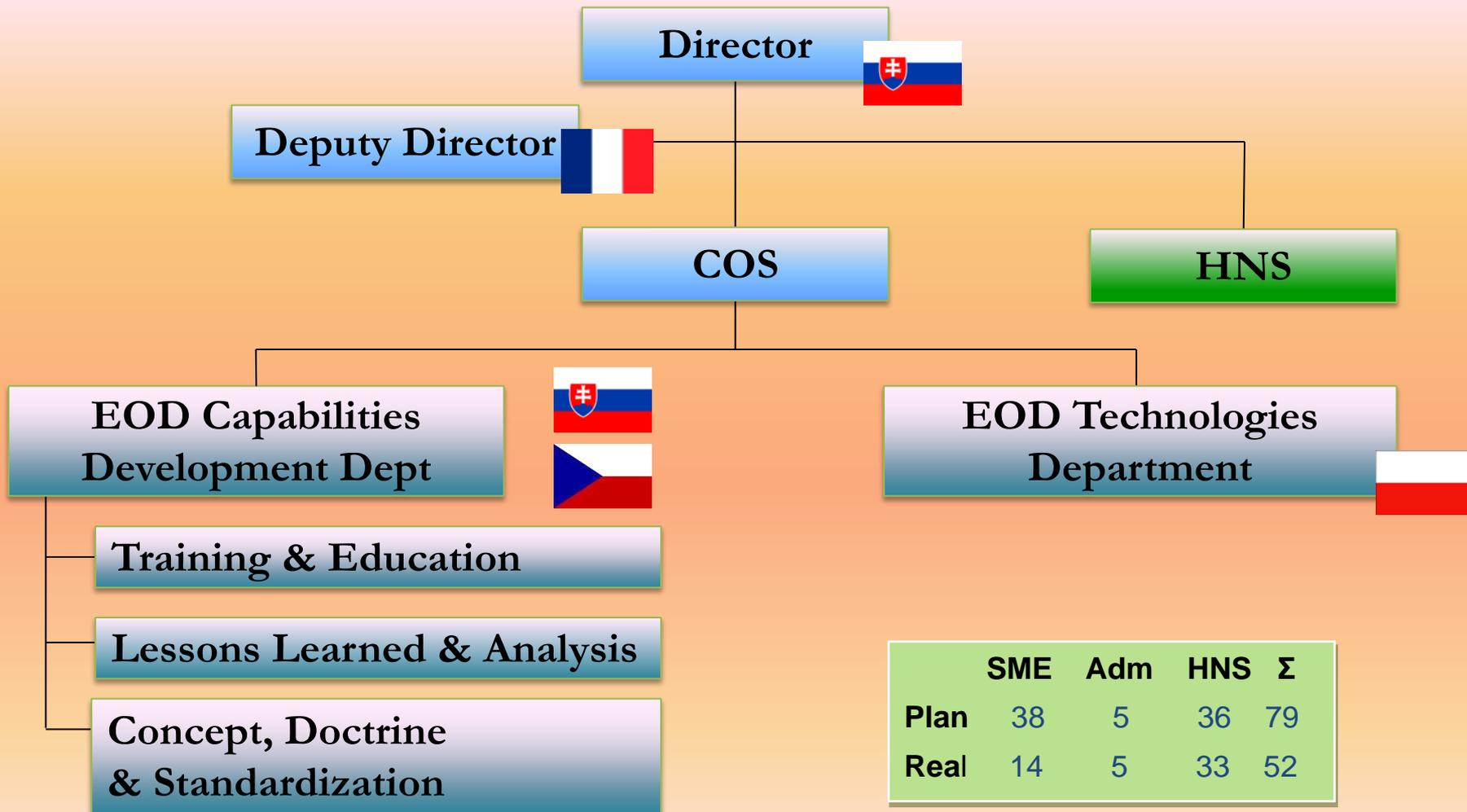
May ..... Accreditation by NAC  
September ... POL signs MOU



# 3. Community of Interest



# 3. Structure



# 4. Lines of effort



**a. Training & Education**



**b. Lessons Learned  
& Analysis**



**c. Concepts, Doctrines  
& Standardization**

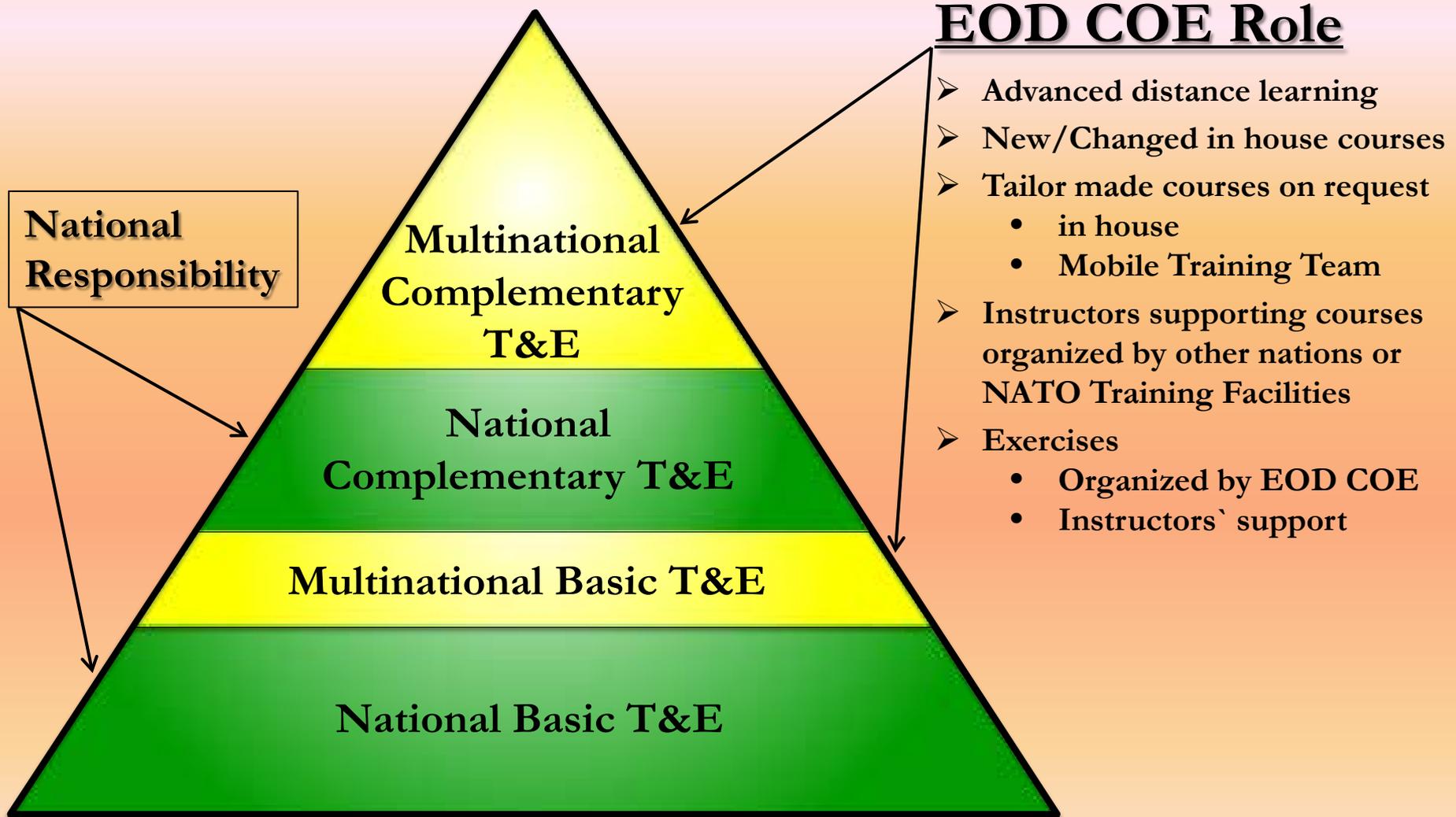


**d. Technologies, Research  
& Development**

## **Vision**

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

# 4. EOD COE Role in T&E



# 5. Training & Education POW 2012



## Initial EOD Staff Officer Training

- SOs at Bn and Bde Staffs to learn planning, control, command and coordination of EOD/IEDD Ops
- 12 slots; 3 weeks; 2 x/year; MTT on request



## Former Warsaw Pact Ammunition Course

- EOD Operators/SOs
- tailored to specific needs, covering all tech. details
- 12 slots; 5 days; 2 x/year



## Homemade Explosives Awareness Course

- non-EOD qualified; all ranks
- basic level (detect, identify, set up safety precautions)
- 12 slots; 5 days; NOV 2012



## Ammunition Risk EOD Management Course

- non-EOD qualified SOs to learn how to store, transport and handle safe/unsafe ammo
- 12 slots; 5 days; DEC 2012

# 5. Deliverables/Lessons Learned and Analysis



1. Implementation of essential Lessons Learned documents



2. Establishment of EOD Community of Interest Lessons Learned WEB page on JALLC Portal



3. IOC of internal EOD COE LL database  
→ OCP as main tool



# 5. Lessons Learned and Analysis/Way Ahead



***Membership in  
BICES Community***

Battlefield Information Collection  
and Exploitation System

**BICES dtbs**



***Observation Collection  
Program (OCP)  
Transformation to  
JALLC db 3.2***

Joint Analysis and Lessons  
Learned Centre

**JALLC dtbs**



***EOD Operators Seminar  
4 – 6 DEC 2012***



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# 5. Deliverables/Concept, Doctrine & Standardization



## Support to MCLSB WGs

### EOD WG

- Custodianship of NATO EOD Glossary of terms, AAP-41
- EOD WG terminology team leader

### MILENG WG

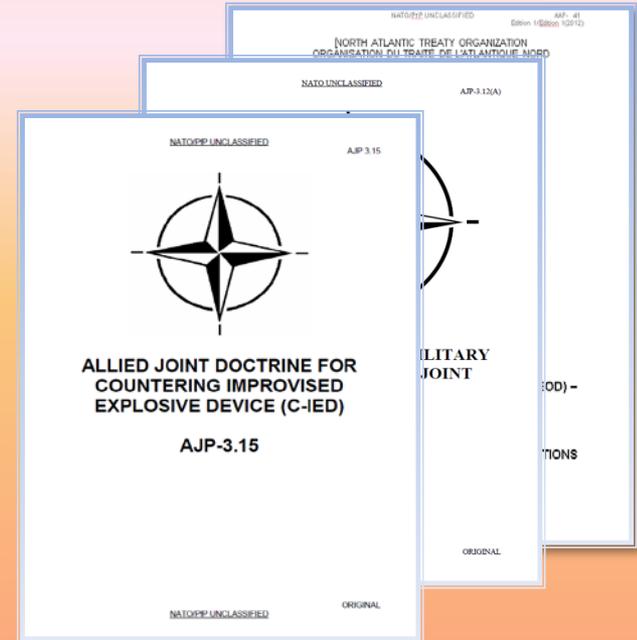
- Assistance to development of MILENG support to Route Clearance part of MILENG doctrine AJP-3.12

### C-IED WG

- Assistance to development of “C-IED Lexicon”, annex to C-IED Doctrine AJP-3.15

### EOD COE Terminological Database

- Foster use of common language
- Enhance mutual understanding of Alliance and Partners
- Unique collection of EOD related terms
- NATO & non NATO sources
- Links to EOD terminology sources



### 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

Diagram showing links from reference sources to specific NATO publications:

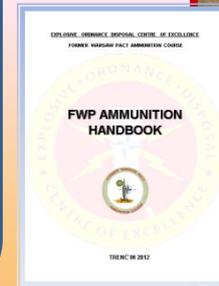
- WIT (green box) links to AAP-6 (red box)
- ISO (blue box) links to AAP-38 (orange box)
- IMAS (purple box) links to AAP-19 (pink box)
- COED (yellow box) links to AAP-19 (pink box)
- COED (yellow box) links to AAP-6 (red box)

# 5. Concept, Doctrine & Standardization/Way Ahead



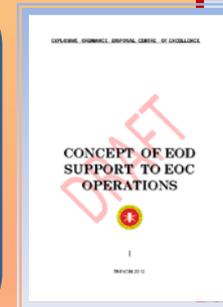
## Former Warsaw Pact Ammunition Handbook

- Description
- Drawings and photos
- Colors and markings
- Type of fuses
- Safety precautions



## EOD support to EOC operations

- Initial orientation in the area of Explosive Ordnance Clearance operations
- Analysis of operational requirements and limitation
- Set the way to go



## Biological Chemical Munitions Disposal

- Initial dialogue with JCBRN COE about future cooperation in BCMD area
- Analysis of the current issues from EOD and CBRN perspective
- Set a way to go



# 6. Technology Department/Deliverables



SPONSOR



EMERGING SECURITY CHALLENGES  
DIVISION at HQ NATO

ORGANIZER



EOD COE

GESTOR



MINISTRY OF DEFENCE  
OF SLOVAK REPUBLIC

## MAIN TOPIC

**“DETECTION”** – Unified effort of involved parties to defeat new emerging threats and to protect human life and environment

## OBJECTIVES

- offer common platform to companies, Research and Development institutes and NATO bodies to present the needs and latest technological solutions for improvement of EOD operator's capability to the EOD operational and armament community.
- open space for discussions at the conference and subsequent seminars to analyse the existing gaps in the EOD area with focus on Urgent Military Requirements and to propose possible way ahead.
- provide partners the opportunity to share information and to identify potential for further cooperation related to the EOD.

# 6. NATO EOD Demonstration & Trials 2012



## 6. EOD COE Support to NRC



# EOD role in post 2014 Environment

## 20 September 2012

# 7. HNS/NC EOD - Nováky



# 7. HNS/AMMO Testing Centre - Nováky



# 7. Institute of Special Health Care and Training MoD - Lešt'



Constructive  
Simulation

OTB v. 2.5



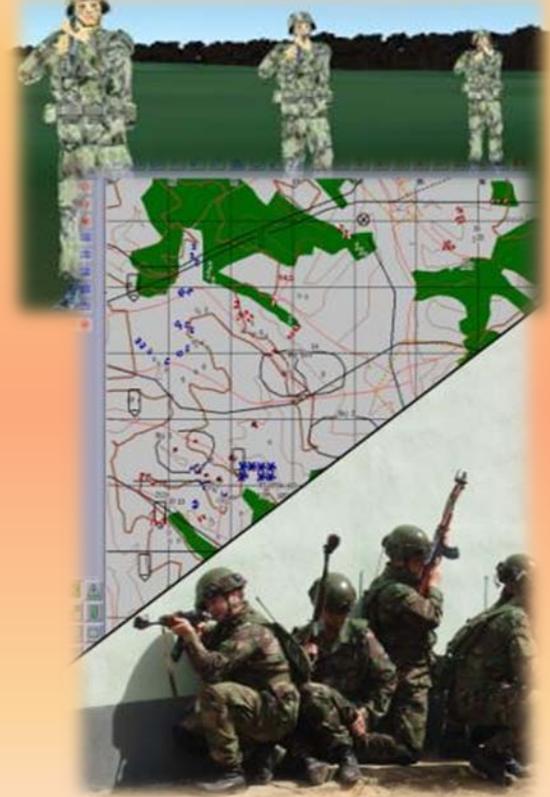
Live  
Simulation

MILES 2000



Combined  
Simulation

OTB + MILES



## 8. Key takeaways



- very new and short of manning, but already providing tangible contribution to NATO C-IED efforts and DAT program of work
- continuous cooperation with existing related COEs (C-IED, MILENG and JCBRN Defense) and worldwide EOD CoI and partners
- delivering training and education to Alliance, enhancing information sharing and EOD interoperability NATO wide is the right way to convince nations to contribute

# Questions ?



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